OhioEPA

State of Ohio Environmental Protection Agency

Street Address:
Lazarus Gov. Center
122 S. Front Street
Columbus, OH 43215

TELE: (614) 644-3020 **FAX:** (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

08/15/01

CERTIFIED MAIL

RE: Preliminary Proposed Title V
Chapter 3745-77 permit

03-39-01-0005
Central Soya Co. - Bellevue
Raymond P. Bowns Mr.
605 Goodrich Road
P.O. Box 369
Bellevue, OH 44811

Dear Raymond P. Bowns:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 01/31/00. The comment period for the Draft permit has ended. We are now ready to submit this permit to USEPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. **Please submit, in writing, any comments you may have within fourteen (14) days from your receipt of this letter to:**

Ohio Environmental Protection Agency
Jim Orlemann, Manager, Engineering Section
Division of Air Pollution Control
P.O.Box 1049
Columbus, OH 43216-1049

and

Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419) 352-8461

Also, if you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within fourteen (14) days of your receipt of this letter, we will forward the proposed permit to USEPA for approval. All comments received will be carefully considered before proceeding to the proposed permit.

Very truly yours,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: Northwest District Office
File, DAPC PMU

State of Ohio Environmental Protection Agency

PRELIMINARY PROPOSED TITLE V PERMIT

Issue Date: 08/15/01	Effective Date: To be entered upon final issuance	Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 03-39-01-0005 to:

Central Soya Co. - Bellevue
605 Goodrich Rd
Bellevue, OH 44811

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

B005 (#2 Gas Fired Boiler)
32 MMBTU/HR Natural Gas Fired Boiler

B008 (#8 Gas Fired Boiler)
125.8 MMBTU/HR (100,400 lbs/hr) natural gas boiler

B010 (#10 Gas Fired Boiler)
Nebraska Gas Fired Boiler with Fuel Oil Backup

F002 (Sanders Grain Dryer)
Grain dryer (column type)

F003 (Bean Bowl #2, Soft Cover)
Bean bowl #2, w/choke loader, telescopic spout

F004 (Berico Grain Dryer)
Grain dryer (column type)

F005 (No.3 Grain Dump)
Truck/rail grain dump

F006 (No.1 Truck Dump)
No.1 truck dump

F007 (No.2 Truck Dump)
No.2 truck dump

F008 (Elevator Rail Loadout)
Elevator rail loadout

F009 (Elevator TRK Loadout)
Load out spout, No.1 dump shed

F010 (Texson Grain Dryer)
Texson grain dryer

F011 (Aeration-Grain Storage)
Aeration fans for grain storage

F012 (Truck Meal Loadout)
Bulk meal truck loadout spout

F013 (Meal Rail Car Loading)
Rail loadout-meal top loading choke screw loadout conveyor

F014 (#1 Bean Bowl,Hard Cover)
Hard Covered storage

P006 (E&W Elevator House Aspiration System)
Permit covering all conveying, elevating, and transferring operations inside the elevator. It includes all emission generating operations inside the elevator which pertain to the processes of HANDLING grain.

P011 (Hull Refining)
Primary & secondary hull refining screeners & aspirators

P013 (Bean Flaking)
Conventional flaking rolls and aspiration

P016 (Bean Cleaning)
Equipment for whole bean cleaning, screening, aspiraton, weighing, and scaling for extraction processes.

P020 (Millfeed Grinding)
Millfeed screen and hull grinders

P021 (Primary Dehulling)
Dehulling aspirators

P022 (Meal Screening Process)
Soybean meal rotex screens, meal grinders

P023 (Meal Transfer Process)
Transfer conveyors and legs from process to storage

P034 (Bean Conditioning)
Conventional rotary bean dryer

P035 (Bean Cracking)
Cracking rolls

P043 (Conventional Hexane Extraction)
Conventional hexane extraction including: Extractor, DTDC, Evaporation, Vent System. P043 and P051 share the hexane emission limit of : 0.388 gal/ton of crushed soybeans based on a 180-day rolling weighted average,
67.6 tons/month, or 811.2 tons per rolling 12 month period.

P050 (Centrolex Process)
Acetone process - Vic carbon adsorber, fugitive losses

P051 (Specialty Soybean Extraction)
Specialty Soybean Extraction. P043 and P051 share the hexane emission limit of : 0.388 gal/ton of crushed soybeans based on a 180-day rolling weighted average, 67.6 tons/month, or 811.2 tons per rolling 12 month period.
Denatured O.C. - P051 and P060 share the emission limit of : 46.0 tons/month, or 552 tons per rolling 12 month period. Includes 7 cyclones, aspirators and 2 fabric filters.

P052 (Bulk Truck Loadout)
Bulk truck loadout w/choke flow & baghouse

P053 (Grinder #1-P.G./Conc)
Grinder, classifier, and filter.

P054 (Grinder #2-P.G./Conc)
Grinder, classifier, and filter.

P055 (Grinder #3-P.G./Conc)
Grinder, classifier, and filter.

P057 (Bulk Storage Bins)
Concentrate storage bins w/baghouses

P058 (Grinding & packaging aspiration)
Grinding & Packaging aspiration

P060 (Ethanol Soybean Extraction)
Denatured O.C. Soybean Extraction
P051 and P060 share the emission limit of : 46.0 tons/month, or 552 tons per rolling 12 month period.

P061 (Promosoy Conveying to Grinding)
Conveying mine run from concentrate to the grinding area

P062 (Prom-Ext Conveying to Pckgng w/2 baghs)
Conveying equipment from concentrate product bins to packers

P063 (Conc/P&G Vacuum Cleaner System)
Vacuum cleaning system in Concentrate / P&G

P064 (Promosoy Vacuum Cleaner System)
Vacuum cleaning system in Promosoy

P065 (Prep Central Vacuum Cleaner System)
Vacuum cleaning system in Prep

P066 (Soybean Meal Cooler)
Soybean meal cooler cyclone

P067 (Bleaching Earth Receiving)
Bleaching earth unloading and transfer system

P069 (Warehouse Bagdump station w/Baghouse)
Pack & Grind reject bag dump station

P073 (Cx Packaging System)
Soybean packaging system

P075 (Bulk Filter Aid)
Bulk filter aid storage and transfer system

P076 (Bucket Elevator Leg W/ Dist Turnhead, ConveyorsBaghouse)
No. 6 Leg

P077 (Clean Bean Conveying)
Clean bean transfer system

P078 (Mine Run B Product)
B Plant Mine Run conveying to Grinding

P079 (No.4 Grinder)
No.4 Concentrate Grinder

P080 (No.5 Grinder)
No.5 Concentrate grinder

P081 (B Plant Conveying)
B Plant Concentrate Conveying from Grinding to Storage

P082 (Packaging Aspiration)
Concentrate Packaging Aspiration system

P083 (No. 6 Grinder)
No. 6 Concentrate Grinder

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419) 352-8461

OHIO ENVIRONMENTAL PROTECTION AGENCY

_____

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

i. The date, place (as defined in the permit), and time of sampling or measurements.
ii. The date(s) analyses were performed.
iii. The company or entity that performed the analyses.
iv. The analytical techniques or methods used.
v. The results of such analyses.
vi. The operating conditions existing at the time of sampling or measurement.

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.8 below if no deviations occurred during the quarter.
iii. Written reports, which identify any deviations from the federally enforceable <u>monitoring, recordkeeping, and reporting requirements</u> contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by

January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.

iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.

b. It shall not be a defense for the 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 federally enforceable terms and conditions of this permit.

c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

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

e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.

10. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

11. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

12. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

   i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
   ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

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

iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:

i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.

ii. Compliance certifications shall include the following:

(a) An identification of each term or condition of this permit that is the basis of the certification.

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

(d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.

(e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

13. Permit Shield

a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

15. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

16. Off Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;

b. The permittee provides contemporaneous written notice of the change to the director and the administrator, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change;

c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);

d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and

e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

17. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

18. Insignificant Activity

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.

B. State Only Enforceable Section

1. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with

this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Additional Reporting Requirements When There Are No Deviations of <u>Federally Enforceable</u> Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

1. Emergency Action Plans: This facility has one or more emissions units that emit more than 0.25 ton/day of criteria pollutants and is subject to the emergency action plan provisions in accordance with OAC rule 3745-25-03. The permittee shall comply with the emergency action plan provisions as detailed in Engineering Guide #64.

B. State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

eclipse process heater, Ohio EPA emissions unit B004; natural gas-fired steam generator, Ohio EPA emissions unit B007; meal grinding, Ohio EPA emissions unit P010; bulk kaolin receiving system, Ohio EPA emissions unit P072; promosoy dump tank, Ohio EPA emissions unit T005; ethanol receipt tank, Ohio EPA emissions unit T006; lagoon, Ohio EPA emissions unit Z001; chiller, Ohio EPA emissions unit Z002; elevator bin vents, Ohio EPA emissions unit Z003; stand-by diesel fire pump #1, Ohio EPA emissions unit Z004; stand-by diesel fire pump #2, Ohio EPA emissions unit Z005; stand-by diesel power generator, Ohio EPA emissions unit Z006; diesel storage tank, Ohio EPA emissions unit Z007; gasoline storage tank, Ohio EPA emissions unit Z008; brine maker - salt unloader, Ohio EPA emissions unit Z009; sulfuric acid storage tank, Ohio EPA emissions unit Z010;
phosphoric acid storage tank, Ohio EPA emissions unit Z011; caustic storage tank, Ohio EPA emissions unit Z012; west deodorizer geka, Ohio EPA emissions unit Z015; and reject toaster, Ohio EPA emissions unit Z016.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install (PTI) for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: #2 Gas Fired Boiler (B005)

Activity Description: 32 MMBTU/HR Natural Gas Fired Boiler

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
32 mmBtu/hour, natural gas-fired boiler	OAC rule 3745-17-10(B)	0.020 pound particulate emissions (PE)/mmBtu of actual heat input
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent emissions opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.16 pound nitrogen oxides (NOx)/mmBtu of actual heat input The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-10(B) and 3745-17-07(A).

2. Additional Terms and Conditions

2.a This emissions unit was installed prior to June 9, 1989 and, therefore, is not subject to 40 CFR Part 60, Subpart Dc.

2.b Since natural gas is the only fuel fired in this emissions unit, OAC rule Chapter 3745-18 is not applicable. Hence, there is no SO2 limitation established for this emissions unit.

II. Operational Restrictions

1. The permittee shall burn only natural gas as fuel in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitations in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:

1.a Emission Limitation:
0.020 pound PE/mmBtu of actual heat input

Applicable Compliance Method:
The permittee may demonstrate compliance with the limitation above by multiplying an emission factor of 1.9 lbs PE (filterable)/mm cu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (mm cu. ft./hr) and dividing by the emissions unit's maximum heat input capacity (mmBtu/hr).

If required, the permittee shall demonstrate compliance with the PE limitation above in accordance with the methods specified in OAC 3745-17-03(B)(9).

1.b Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.c Emission Limitation:
0.16 pound NOx/mmBtu of actual heat input

Applicable Compliance Method:
The permittee may demonstrate compliance by multiplying the maximum hourly natural gas combustion rate (mm cu. ft/hr) by the AP-42 emission factor from Table 1.4-1 (revised 7/98) of 100 pounds NOx/mm cu. ft of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: #8 Gas Fired Boiler (B008)

Activity Description: 125.8 MMBTU/HR (100,400 lbs/hr) natural gas boiler

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
100 mmBtu/hour, natural gas-fired boiler	40 CFR Part 60, Subpart Dc	none (See Section A.II.1.)
	OAC rule 3745-17-10(B)	See Section A.I.2.a.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-7241)	0.0048 pound particulate emissions (PE)/mmBtu of actual heat input (0.48 pound/hour) 0.038 pound carbon monoxide (CO)/mmBtu of actual heat input (3.81 pounds/hour) 0.14 pound nitrogen oxides (NOx)/mmBtu of actual heat input (14.0 pounds/hour) 0.0006 pound sulfur dioxide (SO2)/mmBtu of actual heat input (0.051 pound/hour) 0.0016 pound organic compounds (OC)/mmBtu of actual heat input (0.16 pound/hour)

2. Additional Terms and Conditions

2.a The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.b Since natural gas is the only fuel fired in this emissions unit, OAC rule Chapter 3745-18 is not applicable. Hence, there is no SO2 limitation established for this emissions unit.

2.c The permittee shall properly operate and maintain low-NOx burners on this emissions unit.

II. Operational Restrictions

1. The permittee shall burn only natural gas as fuel in this emissions unit.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.0048 pound PE/mmBtu of actual heat input (0.48 pound PE/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the pound PE/mmBtu allowable limitation by multiplying an emission factor of 1.9 lbs PE (filterable)/mm cu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (mm cu. ft./hr) and dividing by the emissions unit's maximum heat input capacity (mmBtu/hr).

The permittee shall demonstrate compliance with the pound PE/hour allowable limitation by multiplying an emission factor of 1.9 lbs PE (filterable)/mm cu. ft. of natural gas by the emissions unit's maximum hourly fuel consumption rate (mm cu. ft./hr).

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

1.c Emission Limitation:
0.038 pound CO/mmBtu of actual heat input (3.81 pounds CO/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the pound CO/mmBtu emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-1 (revised 3/98) of 84 pounds CO/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

The permittee shall demonstrate compliance with the pound CO/hour emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-1 (revised 3/98) of 84 pounds CO/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 4 and 10, which are located in 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.d Emission Limitation:
0.14 pound NOx/mmBtu of actual heat input (14 pounds NOx/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the pound NOx/mmBtu emission limitation by multiplying the maximum hourly natural gas combustion rate (mmcu. ft./hr) by the AP-42 emission factor from Table 1.4-1 (revised 3/98) of 100 pounds NOx/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

The permittee may demonstrate compliance with the pounds NOx/hour emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-1 (revised 3/98) of 100 pounds NOx/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.

1.e Emission Limitation:
0.0006 pound sulfur dioxide/mmBtu of actual heat input (0.051 pound sulfur dioxide/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the pound SO2/mmBtu emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 3/98) of 0.6 pound SO2/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

The permittee may demonstrate compliance with the pound SO2/hour emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 3/98) of 0.6 pound SO2/mm cu. ft. of natural gas.

If required, the test method to be employed to demonstrate compliance with the emission limitations above shall be Method 6, which is located in 40 CFR, Part 60, Appendix A.

1.f Emission Limitation:
0.0016 pound OC/mmBtu of actual heat input (0.16 pound OC/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the pound OC/mmBtu emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 3/98) of 11 pounds OC/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

The permittee shall demonstrate compliance with the pound OC/hour emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 3/98) of 11 pounds OC/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitation shall be Methods 18, 25 or 25A (as appropriate), which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: #10 Gas Fired Boiler (B010)

Activity Description: Nebraska Gas Fired Boiler with Fuel Oil Backup

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
natural gas-fired boiler (91.2 mmBtu/hour), with number 2 fuel oil as backup (86.9 mmBtu/hour)	40 CFR, Part 60, Subpart Dc	when number 2 fuel oil is combusted 0.50 pound sulfur dioxide (SO_2)/mmBtu of actual heat input Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except for one six-minute period per hour during which visible emissions shall not exceed 27 percent opacity.
	OAC rule 3745-18-06(D)	See Section A.I.2.a.
	OAC rule 3745-17-10(B)	Refer to Section A.I.2.b.
	OAC rule 3745-17-07(A)	when natural gas is employed, visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-11260)	when firing natural gas: 0.014 pound particulate emissions (PE)/mmBtu of actual heat input (1.25 pound/hour); 0.0006 pound SO_2/mmBtu of actual heat input (0.055 pound/hour); 0.140 pound NO_x/mmBtu of actual heat input (12.8 pounds/hour); 0.134 pound CO/mmBtu of actual heat input (12.2 pounds/hour), 53.4 tons/year; and 0.0071 pound VOC/mmBtu of actual heat input (0.65 pound/hour).

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
		when firing number 2 fuel oil: 0.016 pound PE/mmBtu of actual heat input (1.40 pound/hour), 6.13 tons/year; 0.161 pound NOx/mmBtu of actual heat input (14.0 pounds/hour), 61.3 tons/year; 0.136 pound CO/mmBtu of actual heat input (11.8 pounds/hour); and 0.0136 pound OC/mmBtu of actual heat input (1.18 pounds/hour), 5.17 tons/year. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart Dc.

2. Additional Terms and Conditions

2.a The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart Dc.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.c The CO, PE, NOx, and OC tons/year emission limitations represent the emissions unit's potentials to emit and are established for PTI purposes only. Therefore, no record keeping and/or reporting requirements are necessary to ensure compliance with these limitations.

II. Operational Restrictions

1. The permittee shall burn only natural gas and/or number 2 fuel oil in this emissions unit.

2. As an alternative to complying with the limitation of 0.50 pound SO2/mmBtu of actual heat input (when combusting number 2 fuel oil), the permittee may opt to combust number 2 fuel oil, which contains no greater than 0.5 percent sulfur, by weight, in this emissions unit.

3. The quality of the oil burned in this emissions unit shall either comply with the 0.5 percent sulfur, by weight, restriction in Section A.II.2 of the terms and conditions of this permit or the quality of oil burned in this emissions unit shall meet, on an as-received basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.50 lb SO2/mmBtu of actual heat input.

III. Monitoring and/or Record Keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).) A shipment may be comprised of multiple tank truck loads from the same supplier's batch and the quality of the oil for those loads may be represented by a single batch analysis from the supplier.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240, D4294, D6010), or equivalent methods as approved by the Director.

For each shipment of oil, the permittee shall obtain a fuel supplier certification which includes the following information:

a. the name of the oil supplier; and

b. a statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in 40 CFR Part 60, section 60.41c.

2. The permittee shall maintain records of the following information each month for this emissions unit:

a. the weight percent of sulfur in each shipment of oil;

b. the sulfur dioxide emission rate, in pounds sulfur dioxide/mmBtu, calculated in accordance with the provisions of OAC rule 3745-18-04(F)(2), for each shipment of oil received that exceeded 0.5 weight percent of sulfur;

c. the quantity of natural gas burned, in cu. ft;

d. the quantity of number 2 fuel oil burned, in gallons; and

e. copies of the analytical results provided by the permittee or oil supplier for each shipment of oil.

3. For each day during which the permittee burns a fuel other than natural gas and/or number 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any monthly record which shows a deviation of the allowable sulfur dioxide limitation of 0.50 lb SO2/mmBtu of actual heat input or the restriction of the 0.5 percent sulfur content. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

V. Testing Requirements

1. When the permittee burns number 2 fuel oil with a sulfur content exceeding 0.5 percent by weight, the permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

1.a The emission testing shall be conducted within 60 days after the initial use of number 2 fuel oil with a sulfur content exceeding 0.5 percent by weight.

1.b The emission testing shall be conducted to demonstrate compliance with the sulfur dioxide emission limitation (0.50 pound/mmBtu heat input) and the visible emission limitation.

V. Testing Requirements (continued)

1.c The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate(s):

SO2 : Method 6, 40 CFR, Part 60, Appendix A
VE : Method 9, 40 CFR, Part 60, Appendix A

1.d The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA district office or local air agency.

2. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

3. Compliance Methods Requirements: Compliance with the emission limitations in Section A.I of the terms and conditions of this permit shall be determined in accordance with the following methods:

3.a Emission Limitation:
0.50 pound sulfur dioxide/mmBtu of actual heat input (when firing number 2 fuel oil)

Applicable Compliance Method:
Compliance shall be demonstrated through the record keeping requirements established in Section A.III of the terms and conditions of this permit.

If required, the test method to be employed to demonstrate compliance with the emission limitation above shall be Method 6, which is located in 40 CFR, Part 60, Appendix A.

3.b Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except for one six-minute period per hour during which visible emissions shall not exceed 27 percent opacity (when firing number 2 fuel oil)

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitations shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

3.c Emission Limitation:
visible emissions shall not exceed 20 percent opacity, as a six-minute average (when combusting natural gas)

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

3.d Emission Limitation:
0.014 pound PE/mmBtu of actual heat input (1.25 pounds PE/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the lb PE/mmBtu allowable limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 1.9 pounds PE (filterable)/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

Compliance with the lbs PE/hour allowable limitation may be determined by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 3/98) of 1.9 pounds PE (filterable)/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

3.e Emission Limitation:
0.0006 pound SO2/mmBtu of actual heat input (0.055 pound/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the lb SO2/mmBtu allowable emission limitation by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 0.6 pound SO2/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

Compliance with the lbs SO2/hour allowable emission limitation may be determined by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 0.6 pound SO2/mm cu. ft. of natural gas.

If required, the method to be employed to demonstrate compliance with the allowable emission limitations above shall be Method 6, which is located in 40 CFR, Part 60, Appendix A.

3.f Emission Limitation:
0.140 pound NOx/mmBtu of actual heat input (12.8 pounds/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the lb NOx/mmBtu allowable emission limitation by multiplying the maximum hourly natural gas combustion rate (mmcu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 50 pounds NOx/mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (mmBtu/hr).

Compliance with the lbs NOx/hour allowable emission limitation may be determined by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the AP-42 emission factor from Table 1.4-2 (revised 7/98) of 50 pounds NOx/mm cu. ft. of natural gas.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

3.g Emission Limitation:
0.134 pound CO/mmBtu of actual heat input (12.2 pounds/hour), 53.4 tons/year

Applicable Compliance Method:
The permittee shall demonstrate compliance with the lb/mmBtu allowable emission limitation based on the an emission factor of 0.133 lb CO/mmBtu*. Compliance with the lbs/hour emission limitation shall be determined by multiplying the maximum hourly heat input rate (mmBtu/hr by the emission factor of 0.133 lb CO/mmBtu.

If required, the method to be employed to demonstrate compliance with the emission limitation shall be Method 10, which is located in 40 CFR Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

* This emission factor is based on information supplied by the manufacturer and was confirmed through emission testing of this emissions unit.

3.h Emission Limitation:
0.0071 pound OC/mmBtu of actual heat input (0.65 pound/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the lb OC/mmBtu allowable emission limitation based on an emission factor of 0.0071 lb OC/mmBtu of actual heat input*.

Compliance with the lbs OC/hour allowable emission limitation may be determined by multiplying the maximum hourly heat input rate (mmBtu/hr by an emission factor of 0.0071 lb OC/mmBtu of actual heat input*.

If required, the test methods to be employed to demonstrate compliance with the emission limitation shall be Methods 18, 25 or 25A (as appropriate), which are located in 40 CFR, Part 60, Appendix A.

* This emission factor is based on information supplied by the manufacturer and was confirmed through emission testing of this emissions unit.

3.i Emission Limitations:
0.016 pound PE/mmBtu of actual heat input (1.40 pounds PE/hour), 6.13 tons PE/year

Applicable Compliance Method:
The permittee may demonstrate compliance with lbs PE/mmBtu allowable limitation by multiplying the maximum number 2 fuel oil combustion rate (gallons/hour) by the AP-42 emission factor from Table 1.3-2 (revised 1/95) of 2 pounds PE/1000 gallons of number 2 fuel oil and dividing by the maximum heat input to the boiler (mmBtu/hr).

Compliance with lbs PE/hour allowable limitation may be determined by multiplying the maximum number 2 fuel oil combustion rate (gallons/hour) by the AP-42 emission factor from Table 1.3-2 (revised 1/95) of 2 pounds PE/1000 gallons of number 2 fuel oil

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

If required, the test methods to be employed to demonstrate compliance with the hourly and lb/mmBtu PE limitations above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

3.j Emission Limitation:
0.161 pound NOx/mmBtu of actual heat input (14.0 pounds/hour), 61.3 tons/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the lbs NOx/mmBtu allowable emission limitation by multiplying the maximum number 2 fuel oil combustion rate (gallons/hour) by the AP-42 emission factor from Table 1.3-2 (revised 1/95) of 20 pounds NOx/1000 gallons of no. 2 fuel oil and dividing by the maximum heat input to the boiler (mmBtu/hour).

Compliance with lbs NOx/hour allowable emission limitation may be determined by multiplying the maximum number 2 fuel oil combustion rate (gallons/hour) by the AP-42 emission factor from Table 1.3-2 (revised 1/95) of 20 pounds NOx/1000 gallons of no. 2 fuel oil.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

If required, the test methods to be employed to demonstrate compliance with the hourly and lbs/mmBtu NOx emission limitations above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.

3.k Emission Limitation:
0.136 pound CO/mmBtu of actual heat input (11.8 pounds/hour)

Applicable Compliance Method:
The permittee may demonstrate compliance with the lb CO/mmBtu allowable emission limitation based on the an emission factor of 0.136 lb OC/mmBtu*.

Compliance with the lbs OC/hour allowable emission limitation may be determined by multiplying the maximum hourly heat input rate (mmBtu/hr) by the emission factor of 0.136 lb CO/mmBtu.

If required, the test methods to be employed to demonstrate compliance with the emission limitations above shall be Methods 1 through 4 and 10, which are located in 40 CFR, Part 60, Appendix A.

* This emission factor is based on information supplied by the manufacturer and was confirmed through emission testing of this emissions unit.

3.l Emission Limitations:
0.0136 pound OC/mmBtu of actual heat input (1.18 pounds/hour), 5.17 tons/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the lb OC/mmBtu allowable emission limitation based on the an emission factor of 0.014 lb OC/mmBtu.*

Compliance with the lbs OC/hour allowable emission limitation above may be determined by multiplying the maximum hourly heat input rate (mmBtu/hr) by the emission factor of 0.014 lb OC/mmBtu.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

If required, the test methods to be employed to demonstrate compliance with the hourly and lb/mmBtu OC emission limitations above shall be Methods 18, 25 or 25A (as appropriate), which are located in 40 CFR, Part 60, Appendix A.

* This emission factor is based on information supplied by the manufacturer and was confirmed through emission testing of this emissions unit.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Sanders Grain Dryer (F002)

Activity Description: Grain dryer (column type)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
column grain dryer	40 CFR, Part 60, Subpart DD	See Section A.I.2.a.
	OAC rule 3745-31-05 (PTI No. 03-3603)	2.88 pounds fugitive particulate emissions (PE)/hour
	OAC rule 3745-17-08(B)	none (See A.I.2.b.)
	OAC rule 3745-17-07(B)	

2. Additional Terms and Conditions

2.a The column plate perforations shall not exceed 0.094 inch.

2.b This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

2.c The 2.88 pounds fugitive PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
2.88 pounds fugitive PE/hour

Applicable Compliance Method:
Compliance may be determined as follows:

i. multiply the maximum hourly throughput (tons/hour) by the emission factor from AP-42, Table 9.9.1-1 (revised 5/98) of 0.22 pound PE/ton by a control factor of (1-.9);*

ii. multiply the maximum hourly natural gas combustion rate (mmcu. ft./hour) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 pounds PE (filterable)/mmcu. ft.; and

iii. sum i + ii.

* The control efficiency of the perforations is assumed to be 90%.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bean Bowl #2, Soft Cover (F003)

Activity Description: Bean bowl #2, w/choke loader, telescopic spout

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bean bowl #2	40 CFR, Part 60, Subpart DD	There shall be no visible fugitive emissions from the grain handling operations associated with bean bowl #2.
	OAC rule 3745-31-05 (PTI No. 03-3408)	See Section A.I.2.b. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart DD.
	OAC rule 3745-17-08(B)	none (See A.I.2.a.)
	OAC rule 3745-17-07(B)	

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart DD.

II. Operational Restrictions

1. The permittee shall operate this emissions unit with a choke loader and a telescopic spout at all times.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive dust emissions emanating from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible fugitive dust emissions were observed emanating from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
no visible fugitive emissions

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 22, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Berico Grain Dryer (F004)

Activity Description: Grain dryer (column type)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
column grain dryer	40 CFR, Part 60, Subpart DD	See Section A.I.2.a.
	OAC rule 3745-31-05 (PTI No. 03-6388)	2.04 pounds fugitive particulate emissions (PE)/hour
		1.96 pounds nitrogen oxides (NOx)/hour
		There shall be no visible fugitive emissions from this emissions unit.
		The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart DD.
	OAC rule 3745-17-08(B)	none (see A.I.2.b.)
	OAC rule 3745-17-07(B)	

2. Additional Terms and Conditions

2.a The column plate perforations shall not exceed 0.094 inch.

2.b This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

2.c The 2.04 pounds fugitive PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

2.d The 1.96 pounds NOx/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
2.04 pounds fugitive PE/hour

Applicable Compliance Method:
Compliance may be determined as follows:

i. multiply the maximum hourly throughput (tons/hour) by the emission factor from AP-42, Table 9.9.1-1 (revised 5/98) of 0.22 pound PE/ton by the a control factor of (1-0.9);*

ii. multiply the maximum hourly natural gas combustion rate (mm cu. ft./hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 pounds PE (filterable)/mm cu. ft]; and

iii. sum i + ii.

* The control efficiency of the perforations is assumed to be 90%.

1.b Emission Limitation:
1.96 pounds NOx/hour

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum hourly natural gas combustion rate (mm cu. ft./hour) by the emission factor from AP-42 Table, 1.4-1 (revised 7/98) of 100 pounds NOx/mm cu. ft.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 4 and 7, which are located in 40 CFR, Part 60, Appendix A.

1.c Emission Limitation:
no visible fugitive emissions

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 22, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: No.3 Grain Dump (F005)

Activity Description: Truck/rail grain dump

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
truck and rail grain receiving stations (No. 3 grain dump) with partial enclosure and baghouse	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: No.1 Truck Dump (F006)

Activity Description: No.1 truck dump

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
truck grain receiving station (No. 1 truck dump) with partial enclosure, baghouse and use of choke flow	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: No.2 Truck Dump (F007)

Activity Description: No.2 truck dump

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
truck grain receiving station (No. 2 truck dump), with baghouse and use of choke flow	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Elevator Rail Loadout (F008)

Activity Description: Elevator rail loadout

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
elevator rail loadout with partial enclosure and telescopic spout	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Elevator TRK Loadout (F009)

Activity Description: Load out spout, No.1 dump shed

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
elevator truck loadout with partial enclosure and telescopic spout	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Texson Grain Dryer (F010)

Activity Description: Texson grain dryer

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
column grain dryer	40 CFR, Part 60, Subpart DD	none (See Section A.I.2.a.)
	OAC rule 3745-31-05 (PTI No. 03-1008)	none
	OAC rule 3745-17-08(B)	none (See A.I.2.b.)
	OAC rule 3745-17-07(B)	

2. Additional Terms and Conditions

2.a The column plate perforations shall not exceed 0.094 inch.

2.b This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Aeration-Grain Storage (F011)

Activity Description: Aeration fans for grain storage

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
aeration of 32 grain storage silos	OAC rule 3745-31-05 (PTI No. 03-10637)	5.17 pounds fugitive particulate emissions (PE)/hour, 22.6 tons/year fugitive PE Visible fugitive emissions shall not exceed 20 percent opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	none (See A.I.2.a.)
	OAC rule 3745-17-07(B)	

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

2.b The 5.17 pounds PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

1. The permittee shall maintain the air velocities through each bin at or below 0.3 feet/second.

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitations:
5.17 pounds fugitive PE/hour, 22.6 tons/year

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly limitation by multiplying the estimated outlet grain loading (0.003 grain/cubic foot) by the total maximum volumetric air flow rate (200,960 cubic feet/minute), dividing by 7000, and then multiplying by 60.

As long as compliance with hourly emission limitation is maintained, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

1.b Emission Limitation:
20 percent opacity, as a 3-minute average, except as otherwise provided by rule

Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Truck Meal Loadout (F012)

Activity Description: Bulk meal truck loadout spout

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
truck meal loadout with partial enclosure and Redwing loader	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Meal Rail Car Loading (F013)

Activity Description: Rail loadout-meal top loading choke screw loadout conveyor

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
railcar meal loadout with partial enclosure and choke flow	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: #1 Bean Bowl,Hard Cover (F014)

Activity Description: Hard Covered storage

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bean bowl #1 with choke flow and enclosure	OAC rule 3745-17-08(B) OAC rule 3745-17-07(B)	none (See Section A.I.2.a.)

2. Additional Terms and Conditions

2.a This facility is not located within an area identified in "Appendix A" of OAC rule 3745-17-08 (it is located in Huron County). Therefore, the requirements of OAC rule 3745-17-08(B) do not apply to this emissions unit and this emissions unit is also exempt from the visible emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: E&W Elevator House Aspiration System (P006)

Activity Description: Permit covering all conveying, elevating, and transferring operations inside the elevator. It includes all emission generating operations inside the elevator which pertain to the processes of HANDLING grain.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
elevator house aspiration system, with 2 baghouses	OAC rule 3745-17-11(B)	100 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

2.a The permittee shall employ 2 baghouses to control all the PE from this emissions unit.

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 8 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across either baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
100 pounds PE/hour

Applicable Compliance Method:
The permittee shall demonstrate compliance with this limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (44,205 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the emission limitation shall be OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Hull Refining (P011)

Activity Description: Primary & secondary hull refining screeners & aspirators

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
hull refining, with 2 baghouses	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-13045)	0.80 pound particulate emissions (PE)/hour, 3.50 tons/year PE The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ 2 baghouses (CEPREPA and CEPREPB) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouses serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color and location of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across either baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouses serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitations:
0.80 pound PE/hour, 3.50 tons/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (18,600 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the hourly allowable PE limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bean Flaking (P013)

Activity Description: Conventional flaking rolls and aspiration

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bean flaking, with baghouse	OAC rule 3745-17-11(B)	33.6 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all the PE from this emissions unit.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
33.6 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (6,200 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bean Cleaning (P016)

Activity Description: Equipment for whole bean cleaning, screening, aspiraton, weighing, and scaling for extraction processes.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bean cleaning, with baghouse	OAC rule 3745-17-11(B)	86.6 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

2.a The permittee shall employ 2 baghouses (CEPREPA and CEPREPB) to control the PE from this emissions unit.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
86.6 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (19,600 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Millfeed Grinding (P020)

Activity Description: Millfeed screen and hull grinders

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
millfeed grinding, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-13045)	0.214 pound particulate emissions (PE)/hour, 0.94 ton PE/year The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEPRPB) to control the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitations: 0.214 pound PE/hour, 0.94 ton/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation of 0.214 pound by multiplying the baghouse manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (5,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Primary Dehulling (P021)

Activity Description: Dehulling aspirators

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
primary dehulling, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9532)	1.09 pounds PE/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEPRPB) to control the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 1.09 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the baghouse manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (25,400 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly emission limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Meal Screening Process (P022)

Activity Description: Soybean meal rotex screens, meal grinders

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
meal screening process, with baghouse	OAC rule 3745-17-11(B)	13.2 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP022) to control all the PE from this emissions unit.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
13.2 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (2,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Meal Transfer Process (P023)

Activity Description: Transfer conveyors and legs from process to storage

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
meal transfer process, with baghouse	OAC rule 3745-17-11(B)	15.4 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP023) to control all the PE from this emissions unit.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
15.4 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (2,400 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bean Conditioning (P034)

Activity Description: Conventional rotary bean dryer

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bean conditioning, with baghouse	OAC rule 3745-17-11(B)	2.79 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEPREPB) to control all the PE from this emissions unit.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
2.79 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (300 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bean Cracking (P035)

Activity Description: Cracking rolls

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bean cracking, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9532)	0.08 pounds PE/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEPRPB) to control the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation: 0.08 pounds PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the baghouse manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (1,800 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly emission limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Conventional Hexane Extraction (P043)

Activity Description: Conventional hexane extraction including: Extractor, DTDC, Evaporation, Vent System. P043 and P051 share the hexane emission limit of : 0.388 gal/ton of crushed soybeans based on a 180-day rolling weighted average,
67.6 tons/month, or 811.2 tons per rolling 12 month period.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
conventional hexane extraction operation, with 3 cyclones	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-21-07(G)	none (See Section A.II.1.)
	OAC rule 3745-31-05 (PTI No. 03-9532)	5.48 pounds of particulate emissions (PE)/hour 67.6 tons of organic compounds (OC)/month combined with P051 811.2 tons of OC/rolling, 12-month period combined with P051 See Section A.I.2.d. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ 3 cyclones (CEP043A, CEP043B and CEP043C) to control all the PE from the desolventizer toaster, dryer and cooler (DTDC) portions of this process.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.c The 5.48 pounds PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

2. Additional Terms and Conditions (continued)

2.d Hexane consumption, i.e., the emission rates from the hexane extraction operations in emissions units P043 and P051 combined, shall be determined on a "mass balance" basis. Consumption, i.e., the emission rates, shall not exceed the following levels:

i. total hexane consumption in emissions units P043 and P051 combined shall not exceed 285,400 gallons (811.2 tons)/rolling, 12-month period;

ii. total hexane consumption in emissions units P043 and P051 combined shall not exceed 0.388 gallon/ton of crushed soybeans (0.00075 pound of hexane/pound of crushed soybeans from emissions unit P043 and 0.0035 pound of hexane/pound of crushed soybeans from emissions unit P051), based on a rolling, 6-month weighted average; and

iii. the short-term loss of hexane from emissions units P043 and P051 combined shall not exceed 67.6 tons/month.

II. Operational Restrictions

1. The permittee shall not employ any liquid organic material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

2. The pressure drop across each cyclone (CEP043A, CEP043B and CEP043C) shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each cyclone while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each cyclone on a daily basis.

2. The permittee shall maintain the following information each month for this emissions unit:

a. the company identification of each liquid organic material employed; and

b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall collect and record the following information on a monthly basis for emissions units P043 and P051, combined:

a. the total amount of hexane input* to the process (purchased), in pounds and gallons;

b. the total quantity of soybeans weighed in the preparation process before the hexane extraction operation, in pounds and tons;

c. the weighted-average hexane loss rate, in gallons of hexane/ton of crushed soybeans, and in pounds hexane/pound crushed soybeans [a/b];

d. the rolling, 6-month weighted average hexane loss rate, in gallons of hexane/ton of crushed soybeans, and in pounds hexane/pound crushed soybeans [the sum of c for any 6-month period];

e. the rolling, 12-month total hexane consumption, in gallons;

f. all incidents of startup or shutdown of the emissions unit, including all amounts of hexane that are routinely added to the system or returned to the storage tanks due to startup or shutdown. This amount of hexane is process hexane that is present in the system during times of continuous operation, but will drain out of the system during shutdown and needs to be charged back into the system prior to startup. The amount of hexane used to "recharge" the system should not be interpreted as a "hexane loss" in calculating emission rates.;

g. dates of scheduled cleaning/maintenance; and

h. dates of any process upsets.

*Note: it is assumed that all of the hexane input into the process is emitted via point sources (mineral oil absorber and DTDC) and fugitive sources.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.2 of the terms and conditions of this permit.

2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying materials (i.e., photochemically reactive materials) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the date of the daily record indicating noncompliance.

3. The permittee shall submit quarterly deviation (excursion) reports for the following (for emissions units P043 and P051, combined):

a. any monthly record that shows an exceedance of the limitation of 285,400 gallons (811.2 tons) hexane/rolling, 12-month period;

b. any monthly record that shows an exceedance of the limitation of 0.388 gallon hexane/ton of crushed soybeans (0.00075 pound of hexane/pound of crushed soybeans from P043 and 0.0035 pound of hexane/pound of crushed soybeans from P051) based on a 6-month rolling, weighted average; and

c. any record that shows an exceedance of the monthly hexane limitation of 67.6 tons.

4. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
5.48 pounds PE/hour

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation in accordance with the methods specified in OAC rule 3745-17-03(B)(10).

1.c Emission Limitations:
67.6 tons OC (hexane)/month, 811.2 tons/rolling 12-month period

Applicable Compliance Method:
The permittee shall demonstrate compliance with these emission limitations based upon the record keeping required in Section A.III.3 of the terms and conditions of this permit.

1.d Emission Limitation:
0.388 gallon hexane/ton crushed soybeans, based on a 6-month rolling, weighted average

Applicable Compliance Method:
The permittee shall demonstrate compliance with the OC emission limitation of 0.388 gallon/ton of crushed soybeans based upon the record keeping required in Section A.III.3 of the terms and conditions of this permit.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Centrolex Process (P050)

Activity Description: Acetone process - Vic carbon adsorber, fugitive losses

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Centrolex process	OAC rule 3745-21-07(G)	none (See Section A.II.1.)
	OAC rule 3745-31-05 (PTI No. 03-3111)	55.0 pounds organic compounds (OC)/hour

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall not employ any material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain the following information each month for this emissions unit:

a. the company identification of each liquid organic material employed; and

b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall maintain daily records of the following information for this emissions unit:

a. the amount of OC employed in this emissions unit (the input rate of OC into the process), in pounds;

b. the amount of OC, in pounds, that gets entrained in the wastewater and, therefore, is not emitted by this emissions unit;

c. the amount of OC, in pounds, that is removed from this emissions unit and incinerated, and whether or not the incineration was performed on site or off site;

d. the OC emissions from the process [2.a - (2.b + 2.c)], in pounds;

e. the number of hours the emissions unit was in operation; and

f. the average hourly OC emission rate from this operation [2.d/2.e], in pounds/hour (average).

[OC emissions shall be determined by performing a material balance around the process. OC emissions are calculated from inventory control, by subtracting known non-air losses from replacement acetone purchases. Known non-air losses include captured acetone waste material, OC in material incinerated for disposal, and measured losses to process wastewater.]

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying materials (i.e., photochemically reactive materials) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the date of the daily record indicating noncompliance.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the hourly OC emission limitation of 55 pounds. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

Emission Limitation:
55.0 pounds OC/hour

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable OC emission limitation based upon the record keeping specified in Section A.III.2 of the terms and conditions of this permit.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Specialty Soybean Extraction (P051)

Activity Description: Specialty Soybean Extraction. P043 and P051 share the hexane emission limit of : 0.388 gal/ton of crushed soybeans based on a 180-day rolling weighted average, 67.6 tons/month, or 811.2 tons per rolling 12 month period.
Denatured O.C. - P051 and P060 share the emission limit of : 46.0 tons/month, or 552 tons per

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
specialty soybean extraction operation, with 2 baghouses and condensor/absorber	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-21-07(G)	none (See Section A.II.1.)
	OAC rule 3745-31-05 (PTI No. 03-13045)	2.3 pounds particulate emissions (PE)/hour hexane emissions: 67.6 tons of organic compounds (OC)/month (combined with P043) 811.2 tons of OC/rolling, 12-month period (combined with P043) ethanol emissions: 46.0 tons OC/month (combined with P060) 552.0 tons OC/rolling, 12-month period (combined with P060) The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ 3 baghouses (CEPREPA, CEPREPB and CEP051A) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions (continued)

2.c Hexane consumption, i.e., the emission rates from the hexane extraction operations in emissions units P043 and P051 combined, shall be determined on a "mass balance" basis. Consumption, i.e., the emission rates, shall not exceed the following levels:

i. total hexane consumption in emissions units P043 and P051 combined shall not exceed 285,400 gallons (811.2 tons)/rolling, 12-month period;

ii. total hexane consumption in emissions units P043 and P051 combined shall not exceed 0.388 gallon/ton of crushed soybeans (0.00075 pound of hexane/pound of crushed soybeans from emissions unit P043 and 0.0035 pound of hexane/pound of crushed soybeans from emissions unit P051), based on a rolling, 6-month weighted average; and

iii. the short-term loss of hexane from emissions units P043 and P051 combined shall not exceed 67.6 tons/month.

2.d Ethanol consumption, i.e., emission rates from the ethanol extraction operations in emissions units P051 and P060 combined, shall be determined on a "mass balance" basis. Consumption, i.e., emission rates, shall not exceed the following levels:

i. total ethanol consumption in emissions units P051 and P060 combined shall not exceed 152,302 gallons (552.0 tons)/rolling, 12-month period;

ii. ethanol consumption in emission units P051 and P060 combined shall not exceed 0.012 pounds per pound of white flakes (0.0011 pound of alcohol per pound of white flakes from P051 and 0.011 pound of alcohol per pound of white flakes from P060), based on a 6-month rolling weighted average; and

iii. the short-term loss of ethanol from emissions units P051 and P060 combined shall not exceed 46.0 tons/month.

II. Operational Restrictions

1. The permittee shall not employ any material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

2. The pressure drop across each baghouse (CEPREPA, CEPREPB and CEP051A) shall be maintained within the range of 0.5 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.

2. The permittee shall maintain the following information each month for this emissions unit:

a. the company identification of each liquid organic material employed; and

b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.

III. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall collect and record the following information on a monthly basis for emissions units P043 and P051, combined:

a. the total amount of hexane input* to the process (purchased), in pounds and gallons;

b. the total quantity of soybeans weighed in the preparation process before the hexane extraction operation, in pounds and tons;

c. the weighted-average hexane loss rate, in gallons of hexane/ton of crushed soybeans, and in pounds hexane/pound crushed soybeans [a/b];

d. the rolling, 6-month weighted average hexane loss rate, in gallons of hexane/ton of crushed soybeans, and in pounds hexane/pound crushed soybeans [the sum of c for any 6-month period];

e. the rolling, 12-month total hexane consumption, in gallons;

f. all incidents of startup or shutdown of the emissions unit, including all amounts of hexane that are routinely added to the system or returned to the storage tanks due to startup or shutdown. This amount of hexane is process hexane that is present in the system during times of continuous operation, but will drain out of the system during shutdown and needs to be charged back into the system prior to startup. The amount of hexane used to "recharge" the system should not be interpreted as a "hexane loss" in calculating emission rates.;

g. dates of scheduled cleaning/maintenance; and

h. dates of any process upsets.

*Note: it is assumed that all of the hexane input into the process is emitted via point sources (mineral oil absorber and DTDC) and fugitive sources.

4. The permittee shall collect and record the following information on a monthly basis for emissions units P051 and P060, combined:

a. the total amount of ethanol input* to the process (purchased), in pounds and gallons;

b. the total quantity of soybeans weighed in the preparation process before the specialty extraction operation, in pounds and tons;

c. the weighted-average ethanol loss rate, in gallons of ethanol/ton of crushed soybeans, and in pounds ethanol/pound crushed soybeans [a/b];

d. the rolling, 6-month weighted average ethanol loss rate, in gallons of ethanol/ton of crushed soybeans, and in pounds ethanol/pound crushed soybeans [the sum of c for any 6-month period];

e. the rolling, 12-month total ethanol consumption, in gallons;

f. all incidents of startup or shutdown of the emissions unit, including all amounts of ethanol that are routinely added to the system or returned to the storage tanks due to startup or shutdown. This amount of ethanol is process ethanol that is present in the system during times of continuous operation, but will drain out of the system during shutdown and needs to be charged back into the system prior to startup. The amount of ethanol used to "recharge" the system should not be interpreted as a "ethanol loss" in calculating emission rates;

g. dates of scheduled cleaning/maintenance; and

h. dates of any process upsets.

*Note: it is assumed that all of the ethanol input into the process is emitted via point and fugitive sources.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across either baghouse did not comply with the allowable range specified in section A.II.2 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying materials (i.e., photochemically reactive materials) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the date of the daily record indicating noncompliance.

3. The permittee shall submit quarterly deviation (excursion) reports for the following (for emissions units P043 and P051, combined):

a. any monthly record that shows an exceedance of the limitation of 285,400 gallons (811.2 tons) hexane/rolling 12-month period;

b. any monthly record that shows an exceedance of the limitation of 0.388 gallon hexane/ton of crushed soybeans (0.00075 pound of hexane/pound of crushed soybeans from P043 and 0.0035 pound of hexane/pound of crushed soybeans from P051) based on a 6-month rolling, weighted average; and

c. any monthly record that shows any exceedance of the limitation of 67.6 tons hexane/month.

4. The permittee shall submit quarterly deviation reports for the following (for emissions units P051 and P060, combined):

a. any monthly record that shows an exceedance of the limitation of 152,302 gallons (552.0 tons)/rolling 12-month period; and

b. any monthly record that shows an exceedance of the limitation of 0.012 pounds per pound of white flakes (0.0011 pound of alcohol per pound of white flakes from P051 and 0.011 pound of alcohol per pound of white flakes from P060), based on a 6-month rolling weighted average; and

c. any monthly record that shows any exceedance of the limitation of 46.0 tons/month.

5. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
2.30 pounds PE/hour

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation in accordance with the methods specified in OAC rule 3745-17-03(B)(10).

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

V. Testing Requirements (continued)

1.c Emission Limitations:
85.0 tons hexane/month, 811.2 tons hexane/rolling, 12-month period

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limitations above based upon the record keeping required in Section A.III.4 of the terms and conditions of this permit.

1.d Emission Limitation:
0.388 gallon hexane/ton crushed soybeans, based on a rolling, 6-month weighted average (combined with P043)

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limitation above based upon the record keeping required in Section A.III.4.

1.e Emission Limitation:
0.0035 pound of hexane/pound of crushed soybeans (for emissions unit P051)

Applicable Compliance Method:
The permittee shall demonstrate compliance with this emission limitation based upon the record keeping required in Section A.III.4 of the terms and conditions of this permit.

1.f Emission Limitation:
0.0011 pound of ethanol per pound of white flakes (for emissions unit P051)

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hexane emission limitation of 0.388 gallon/ton crushed soybeans based upon the record keeping required in Section A.III.5 of the terms and conditions of this permit.

1.g Emission Limitations:
58.0 tons ethanol/month, 552.0 tons ethanol/rolling, 12-month period

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limitations above based upon the record keeping required in Section A.III.5 of the terms and conditions of this permit.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bulk Truck Loadout (P052)

Activity Description: Bulk truck loadout w/choke flow & baghouse

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk truck loadout, with baghouse	OAC rule 3745-17-11(B)	none (See section A.I.2.a.)
	OAC rule 3745-17-07(A)	none (See Section A.I.2.b.)
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.06 pound particulate emissions (PE)/hour
		0.26 ton PE/year
		Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

2.a The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(3). Also, Table I of OAC rule 3745-17-11 does not apply because the facility is located in Huron County.

2.b This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable .

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitations:
0.06 pound PE/hour, 0.26 ton/year

Applicable Compliance Method: The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the maximum hourly throughput (tons/hour) by the emission factor from AP-42, Table 9.9.1-1 (revised 5/98) of 0.086 pound PE/ton and then multiplying by a control factor of (1-.99).*

If required, the test methods to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

* The control efficiency of the baghouse is estimated to be 99%.

1.b Emission Limitation:
10 percent opacity, as a 6-minute average

Applicable Compliance Method:
If required, the method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Grinder #1-P.G./Conc (P053)

Activity Description: Grinder, classifier, and filter.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
grinder #1 - white flakes, system with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.13 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP053) to control the all PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

2.b Emission Limitation:
0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Grinder #2-P.G./Conc (P054)

Activity Description: Grinder, classifier, and filter.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
grinder #2 - white flakes, system with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.13 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP053) to control the all PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

2.b Emission Limitation:
0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Grinder #3-P.G./Conc (P055)

Activity Description: Grinder, classifier, and filter.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
grinder #3 - white flakes, system with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.13 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP053) to control the all PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

2.b Emission Limitation:
0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bulk Storage Bins (P057)

Activity Description: Concentrate storage bins w/baghouses

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk storage bins, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.075 pound particulate emissions (PE)/hour Visible emisions shall not exceed 10 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP058B) to control the all PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
0.075 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (220 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Grinding & packaging aspiration (P058)

Activity Description: Grinding & Packaging aspiration

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
grinding & packaging aspiration, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.20 pound particulate emissions (PE)/hour Visible emisions shall not exceed 10 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP058B) to control the all PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
0.20 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (4,600 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the test methods to be employed to demonstrate compliance with the emission limitation above shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Ethanol Soybean Extraction (P060)

Activity Description: Denatured O.C. Soybean Extraction
P051 and P060 share the emission limit of : 46.0 tons/month, or 552 tons per rolling 12 month period.

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
ethanol soybean extraction operation	OAC rule 3745-21-07(G)	none (See Section A.II.1.)
	OAC rule 3745-31-05 (PTI No. 03-3636)	ethanol emissions: 58.0 tons organic compounds (OC)/month (combined with P051) 552.0 tons OC/rolling, 12-month period (combined with P051)

2. Additional Terms and Conditions

2.a Ethanol consumption, i.e., emission rates from the ethanol extraction operations in emissions units P051 and P060 combined, shall be determined on a "mass balance" basis. Consumption, i.e., emission rates, shall not exceed the following levels:

i. total ethanol consumption in emissions units P051 and P060 combined shall not exceed 152,302 gallons (552.0 tons)/rolling, 12-month period;

ii. ethanol consumption in emission units P051 and P060 combined shall not exceed 0.012 pounds per pound of white flakes (0.0011 pound of alcohol per pound of white flakes from P051 and 0.011 pound of alcohol per pound of white flakes from P060), based on a 6-month rolling weighted average; and

iii. the short-term loss of ethanol from emissions units P051 and P060 combined shall not exceed 58.0 tons/month.

II. Operational Restrictions

1. The permittee shall not employ any material in this emissions unit that is a photochemically reactive material. "Photochemically reactive material" is defined in OAC rule 3745-21-01(C)(5).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain the following information each month for this emissions unit:

a. the company identification of each liquid organic material employed; and

b. documentation on whether or not each liquid organic material employed is a photochemically reactive material.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall collect and record the following information on a monthly basis for emissions units P051 and P060, combined:

a. the total amount of ethanol input* to the process (purchased), in pounds and gallons;

b. the total quantity of soybeans weighed in the preparation process before the specialty extraction operation, in pounds and tons;

c. the weighted-average ethanol loss rate, in gallons of ethanol/ton of crushed soybeans, and in pounds ethanol/pound crushed soybeans [a/b];

d. the rolling, 6-month weighted average ethanol loss rate, in gallons of ethanol/ton of crushed soybeans, and in pounds ethanol/pound crushed soybeans [the sum of c for any 6-month period];

e. the rolling, 12-month total ethanol consumption, in gallons;

f. all incidents of startup or shutdown of the emissions unit, including all amounts of ethanol that are routinely added to the system or returned to the storage tanks due to startup or shutdown. This amount of ethanol is process ethanol that is present in the system during times of continuous operation, but will drain out of the system during shutdown and needs to be charged back into the system prior to startup. The amount of ethanol used to "recharge" the system should not be interpreted as a "ethanol loss" in calculating emission rates;

g. dates of scheduled cleaning/maintenance; and

h. dates of any process upsets.

*Note: it is assumed that all of the ethanol input into the process is emitted via point and fugitive sources.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any monthly record showing the use of noncomplying materials (i.e., photochemically reactive materials) in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) within 30 days of the date of the daily record indicating noncompliance.

2. The permittee shall submit quarterly deviation reports for the following (for emissions units P051 and P060, combined):

a. any monthly record that shows an exceedance of the limitation of 152,302 gallons (552.0 tons)/rolling 12-month period; and

b. any monthly record that shows an exceedance of the limitation of 0.012 pound per pound of white flakes (0.0011 pound of alcohol per pound of white flakes from P051 and 0.011 pound of alcohol per pound of white flakes from P060), based on a 6-month rolling weighted average; and

c. any monthly record that shows any exceedance of the limitation of 58.0 tons.

All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

V. Testing Requirements (continued)

Emission Limitations:
58.0 tons ethanol/month, 552.0 tons ethanol/rolling, 12-month period

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limitations above based upon the record keeping required in Section A.III.2 of the terms and conditions of this permit.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Promosoy Conveying to Grinding (P061)

Activity Description: Conveying mine run from concentrate to the grinding area

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Promosoy conveying to grinding, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.04 pound particulate emissions (PE)/hour
		Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP061B) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
0.04 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (830 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Prom-Ext Conveying to Pckgng w/2 baghs (P062)

Activity Description: Conveying equipment from concentrate product bins to packers

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Promosoy extraction conveying to packaging, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-4114)	0.035 pound particulate emissions (PE)/hour Visible emissions shall not exceed 10 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP061B) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
0.035 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (820 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
10 percent opacity, as a six-minute average

Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Conc/P&G Vacuum Cleaner System (P063)

Activity Description: Vacuum cleaning system in Concentrate / P&G

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
vacuum cleaning system (concentrate), with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4639)	0.012 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.c The 0.012 pound PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.012 pound PE/hour

Applicable Compliance Method:

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Promosoy Vacuum Cleaner System (P064)

Activity Description: Vacuum cleaning system in Promosoy

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
promosoy vacuum cleaner system, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-4639)	0.012 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.c The 0.012 pound PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.012 pound PE/hour

Applicable Compliance Method:
The permittee shall determine compliance with the hourly allowable PE limitation by dividing the maximum quantity of the material collected in the baghouse (32 pounds/hour) by the overall control efficiency of the baghouse (99.97), and then multiplying this value by (1-0.9997).

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Prep Central Vacuum Cleaner System (P065)

Activity Description: Vacuum cleaning system in Prep

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk filter aid, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-5828)	0.035 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.c The 0.035 pound PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.035 pound PE/hour

Applicable Compliance Method:
The permittee shall determine compliance with the hourly allowable PE limitation by dividing the maximum quantity of the material collected in the baghouse (96 pounds/hour) by the overall control efficiency of the baghouse (99.97), and then multiplying this value by (1-0.9997).

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Soybean Meal Cooler (P066)

Activity Description: Soybean meal cooler cyclone

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
soybean meal cooler, with cyclone	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-13045)	3.66 pounds PE/hour, 16.0 tons/year 2.93 pounds PM10/hour, 12.8 tons PM10/year The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a cyclone (CEP066) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the cyclone (CEP066) shall be maintained within the range of 0.5 to 10 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the cyclone while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the cyclone on a daily basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitations:
3.66 pounds PE/hour, 16.0 tons/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the process weight rate (tons/hour) by an emission factor of 0.032 pound PE/ton (based on the results of emission testing on a similar unit at another Central Soya facility).

If required, the test methods to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

1.c Emission Limitations:
2.93 pounds PM10/hour, 12.8 tons PM10/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PM10 limitation by multiplying the hourly PE rate by a factor of 0.8 (the permittee has determined that 80% of the PE is PM10).

If required, the test methods to be employed to demonstrate compliance with the PM10 limitation shall be Methods 1 through 5 (including the weight of the back half of the filter), or Methods 201, or 201A, which are located in 40 CFR, Part 60, Appendix A

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bleaching Earth Receiving (P067)

Activity Description: Bleaching earth unloading and transfer system

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bleaching earth receiving system, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-6854)	0.21 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP067B) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2.c The 0.21 pound PE/hour emission limitation was established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop recordkeeping and/or reporting requirements to ensure compliance with this limitation.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.21 pound PE/hour

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable PE limitation by multiplying the maximum quantity of material received (210 pounds/hour) by the estimated control efficiency of the control device (99.9%).

If required, the test methods to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Warehouse Bagdump station w/Baghouse (P069)

Activity Description: Pack & Grind reject bag dump station

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
warehouse bag dump station, with 2 baghouses	OAC rule 3745-17-11(B)	none Ssee Section A.I.2.a.)
	OAC rule 3745-17-07(A)	none (See Section A.I.2.a.)
	OAC rule 3745-31-05 (PTI No. 03-6843)	0.27 pound particulate emissions (PE)/hour

2. Additional Terms and Conditions

2.a The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), this emissions unit is exempt from the requirements of OAC rule 3745-17-11(B)(3). Also, Table I of OAC rule 3745-17-11 does not apply because the facility is located in Huron County.

2.b This emissions unit is exempt from the visible emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because OAC rule 3745-17-11 is not applicable.

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.5 to 8 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

Emission Limitation:
0.27 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (4.8 cubic feet/minute and 375 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the methods to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Cx Packaging System (P073)

Activity Description: Soybean packaging system

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Centrolex packaging system, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-7780)	0.11 pound particulate emissions (PE)/hour
		Visible emissions shall not exceed 0 percent opacity, as a six-minute average.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP073) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 to 15 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
0.11 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (2,100 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the methods to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible emissions shall not exceed 0 percent opacity, as a six-minute average.

Applicable Compliance Method:
The method to be employed to demonstrate compliance with the visible emissions limitation shall be Method 9, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bulk Filter Aid (P075)

Activity Description: Bulk filter aid storage and transfer system

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bulk filter aid with 2 baghouses	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-8237)	0.035 pound particulate emissions (PE)/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ 2 baghouses (CEP075B and CEP075D) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across each baghouse shall be maintained within the range of 0.25 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across each baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across each baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouses serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouses serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.035 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (537 cubic feet/minute and 128 cubic feet/minute) and dividing by 7000, then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Bucket Elevator Leg W/ Dist Turnhead, ConveyorsBaghouse (P076)

Activity Description: No. 6 Leg

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
bucket elevator leg #6, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	See Section A.I.2.b.
	OAC rule 3745-31-05 (PTI No. 03-7977)	0.25 pound particulate emissions (PE)/hour Visible emisions shall not exceed 20 percent opacity, as a three-minute average.

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP076) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
0.25 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (5,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible emissions shall not exceed 0 percent opacity, as a six-minute average.

Applicable Compliance Method:
The method to be employed to demonstrate compliance with this visible emissions limitation shall be method 9, which is located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Clean Bean Conveying (P077)

Activity Description: Clean bean transfer system

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
clean bean conveying, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-13045)	0.043 pound PE/hour, 0.19 ton/year The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEPREPA) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse (CEPREPA) shall be maintained within the range of 0.5 to 10 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitations:
0.043 pound PE/hour, 0.19 ton/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (1,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Mine Run B Product (P078)

Activity Description: B Plant Mine Run conveying to Grinding

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
mine run B product, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9547)	0.038 pound PE/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP078) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 10 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.038 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (890 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: No.4 Grinder (P079)

Activity Description: No.4 Concentrate Grinder

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
number 4 concentrate grinder, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9547)	0.13 pound PE/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: No.5 Grinder (P080)

Activity Description: No.5 Concentrate grinder

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
number 5 concentrate grinder, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9547)	0.13 pound PE/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation will be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: B Plant Conveying (P081)

Activity Description: B Plant Concentrate Conveying from Grinding to Storage

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
B plant concentrate conveying from grinding to storage, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9547)	0.011 pound PE/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 5 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.011 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (250 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Packaging Aspiration (P082)

Activity Description: Concentrate Packaging Aspiration system

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
packaging aspiration, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-10474)	0.13 pound PE/hour, 0.57 ton/year The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse (CEP082) to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse (CEPREPA) shall be maintained within the range of 0.25 to 5 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitations:
0.13 pound PE/hour, 0.57 ton/year

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (2,500 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

As long as compliance is maintained with the hourly emission limitation, compliance with the annual emission limitation shall be shown (the annual emission limitation was calculated by multiplying the hourly limitation by 8760 and dividing by 2000).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: No. 6 Grinder (P083)

Activity Description: No. 6 Concentrate Grinder

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
number 6 concentrate grinder, with baghouse	OAC rule 3745-17-11(B)	See Section A.I.2.b.
	OAC rule 3745-17-07(A)	Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.
	OAC rule 3745-31-05 (PTI No. 03-9547)	0.13 pound PE/hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).

2. Additional Terms and Conditions

2.a The permittee shall employ a baghouse to control all the PE from this emissions unit.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 15 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

III. Monitoring and/or Record Keeping Requirements (continued)

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the baghouse serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in Section A.II.1 of the terms and conditions of this permit. All quarterly reports shall be submitted in accordance with paragraph A.1.c of the General Terms and Conditions of this permit.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions were observed from the baghouse serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance Methods Requirements: Compliance with the emission limitation(s) in section A.I of the terms and conditions of this permit shall be determined in accordance with the following method(s):

1.a Emission Limitation:
Visible emissions shall not exceed 20 percent opacity, as a six-minute average, except as otherwise provided by rule.

Applicable Compliance Method:
If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:
0.13 pound PE/hour

Applicable Compliance Method:
The permittee may demonstrate compliance with the hourly allowable PE limitation by multiplying the manufacturer-guaranteed outlet grain loading (0.005 grain/cubic foot) by the total maximum volumetric air flow rate (3,000 cubic feet/minute), dividing by 7000, and then multiplying by 60.

If required, the method to be employed to demonstrate compliance with the hourly allowable PE limitation shall be Methods 1 through 5, which are located in 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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