



State of Ohio Environmental Protection Agency

Street Address:

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P.O. Box 1049  
Columbus, OH 43216-1049

10/31/00

**CERTIFIED MAIL**

**RE: Draft Title V Chapter 3745-77 permit**

03-81-00-0011  
Central Soya Company - Delphos  
Christine M. Thomas  
234 S. Jefferson Street  
P.O. Box 485  
Delphos, OH 45833

Dear Christine M. Thomas:

You are hereby notified that the Ohio Environmental Protection Agency has prepared the enclosed draft of the Title V permit for the facility referenced above. The purpose of this draft is to solicit public comments. A public notice concerning the draft will appear in the Ohio EPA Weekly Review and the major newspaper in the county where the facility is located. Comments and/or a request for a public hearing from the public and any affected parties will be accepted by Northwest District Office within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled.

A decision on processing the Title V permit will be made after consideration of written public comments and oral testimony (if a public hearing is conducted). After the comment period, you will be provided with a Preliminary Proposed Title V permit and an opportunity to comment prior to the Proposed Title V permit submittal to USEPA.

**If you have any questions or comments concerning this draft Title V permit, please contact Northwest District Office.**

Very truly yours,

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

cc: USEPA  
Jim Orlemann, DAPC Engineering  
Michael Ahern, DAPC PMU  
Northwest District Office  
Indiana  
Michigan



## Ohio EPA

State of Ohio Environmental Protection Agency

### TITLE V PERMIT

Issue Date: 10/31/00

### DRAFT

Effective Date:

Expiration Date:

This document constitutes issuance to:

Central Soya Company - Delphos  
234 S. Jefferson Street  
P.O. Box 485  
Delphos, OH 45833

of a Title V permit for Facility ID: 03-81-00-0011

Emissions Unit ID (Company ID)/  
Emissions Unit Activity Description:  
B001 (Coal Fired Boiler )  
Coal fired traveling grate boiler.

P001 (Crackers)  
Multiple crackers crack soybeans into pieces to prepare for hull removal and flaking.

P002 (Flakers)  
Multiple flakers press the soybean pieces into flakes before extraction of soybean oil.

P004 (Dehulling )  
Multiple aspirators pull hulls off the soybean pieces before the pieces go to the flakers.

P006 (Hull Refining )  
Multiples shakers and aspirators remove minute soybean particles from hulls that have already been removed for the primary pass of soybean pieces

P009 (Soybean Meal System)  
Shakers size the meal, grinders grind it for storage or loadout.

P013 (Shanzer Dryer )  
Backup grain dryer not currently in use.

P016 (Truck Receiving )  
Grain is unloaded from trucks where it then goes into the elevator.

P017 (Rail Receiving)  
Grain is unloaded from railcars where it then goes into the elevator.

P019 (Millfeed Grinding Conveying & Storage)

A grinder and a blower grind the soybean hulls and convey them to storage; the product becomes millfeed.

P028 (Truck Meal Loadout)

Meal is pulled from storage and placed in trucks with a loader device.

P029 (Rail Meal Loadout)

Meal is pulled from storage and placed in railcars with a loader device.

P031 (DTDC)

A large piece of equipment with six trays the extracted soybean flakes move through. This equipment Desolventizes, Toasts, Dries and Cools the product.

P034 (Grain Dryer)

A dryer dries incoming grain for storage and processing.

P035 (Bean Cleaning & Pod Grinding/Storage)

Cleans all incoming beans for storage or processing

P038 (Fine Grind Meal System)

Shakers and grinders produce a finer grind meal.

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

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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 emission limitations, operational restrictions, and control device operating parameter limitations, 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 monitoring, recordkeeping, and reporting requirements 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.

## **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 Federally Enforceable 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**

**None**

### **B. State Only Enforceable Section**

1. The following insignificant emissions unit is located at this facility: kaolin receiving and storage (P027).

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 for the emissions unit.

### Part III - Terms and Conditions for Emissions Units

**Emissions Unit ID:** Coal Fired Boiler (B001)

**Activity Description:** Coal fired traveling grate 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
69.4 mmBtu/hour coal-fired boiler, with baghouse	OAC rule 3745-31-05(A)(3) PTI No. 03-8645	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-10(B), 3745-17-07(A) and 3745-18-87(C).
	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.
	OAC rule 3745-17-10(B)	0.33 pound PE/mmBtu of actual heat input
	OAC rule 3745-18-87(C)	6.7 pounds sulfur dioxide (SO <sub>2</sub> )/mmBtu of actual heat input

##### 2. Additional Terms and Conditions

- 2.a** Pursuant to OAC rule 3745-17-10, the total heat input for this emissions unit was derated from 85 mmBtu/hr to 69.4 mmBtu/hr. (The derated total heat input of 69.4 mmBtu/hr corresponds to a steam load of 54,624 pounds per hour.) Using the derated total heat input, the allowable PE rate for this emissions unit, from Figure I (curve P-2) of OAC rule 3745-17-10, is 0.33 pound per mmBtu actual heat input.
- 2.b** The permittee shall employ a baghouse to control all of the PE from this emissions unit.
- 2.c** In addition to coal, the permittee may combust waste lubricating oil, waste soybean oil, and soybean oil sludge in this emissions unit.

##### II. Operational Restrictions

1. The maximum annual supplemental fuel usage for this emissions unit shall not exceed the following :
  - a. 200 gallons of waste lubricating oil/year; and
  - b. 3,000 gallons of waste soybean oil and soybean oil sludge combined/year.
2. The supplemental fuels identified in section A.II.1 shall only be applied to the coal while it is being transferred into the storage silos. No such materials shall be applied to coal which is to be dumped on an outside storage pile.

## II. Operational Restrictions (continued)

3. At no time shall the steam flow rate from this emissions unit exceed 54,624 pounds per hour (as an average over any one-hour period).
4. The permittee shall burn the supplemental fuels identified in section A.II.1 that only have been generated on-site. The waste lubricating oil shall meet the following specifications:

contaminant/property	permit allowable concentration
arsenic	5 ppm, maximum
cadmium	2 ppm, maximum
chromium	10 ppm, maximum
lead	100 ppm, maximum
total halogens	1000 ppm, maximum
mercury	1 ppm, maximum
flash point	100 degrees Fahrenheit, minimum
heat content	100,000 Btu/gallon, minimum

5. The pressure drop across the baghouse shall be maintained within the range of 0.25 - 8 inches of water while the emissions unit is in operation.
6. The quality of coal burned in this emissions unit shall meet a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 6.7 lbs/mmBtu of actual heat input.

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall continuously monitor and record the steam flow rate for this emissions unit. Copies of all steam flow rate charts shall be maintained for a period of 5 years, and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon verbal or written request.
2. The permittee shall collect or require the coal supplier to collect a representative grab sample of each shipment of coal that is received for burning in this emissions unit. At the end of each calendar month, the representative samples of coal from all shipments of coal which were received during that calendar month shall each be combined (in proportion to the amount of coal in each shipment) into one composite sample.

Each monthly composite sample of coal shall be analyzed for sulfur content (percent) and heat content (Btu/pound of coal). The permittee shall perform or require the supplier to perform the coal sampling in accordance with the most recent version of the following ASTM methods: ASTM method D2234, Collection of a Gross Sample of Coal and analyze the coal sample for sulfur content (percent) and heat content (Btu/pound of coal). The analytical methods for sulfur content and heat content shall be: ASTM method D3177, Total Sulfur in the Analysis Sample of Coal or ASTM method D4239, Sulfur in the Analysis Sample of Coal Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal by Microprocessor Controlled Isoperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

3. The permittee shall maintain monthly records of the total quantity of coal received in each shipment and the results of the analyses for sulfur content and heat content and the calculated sulfur dioxide emission rate (in lbs/mmBtu) based upon a volume-weighted average of the calculated sulfur dioxide emission rates for all shipments of coal during a calendar month.
4. The permittee shall maintain monthly records to demonstrate that the allowable supplemental fuel usage rates were not exceeded. At a minimum, the records shall document the type and amount (in gallons) of waste product applied to the coal, and the dates applied. In addition to these records, the permittee shall maintain, on site, a chemical analysis of the waste lubricating oil to show that the specification contained in section A.II.4 are met.

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

5. 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 daily basis.

### **IV. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any exceedance of the hourly steam flow rate restriction of 54,624 pounds. The report shall include the following information:
  - a. the date of the exceedance;
  - b. the time interval over which the exceedance occurred;
  - c. the value of the exceedance;
  - d. the cause(s) of the exceedance;
  - e. the action that has been or will be taken to prevent similar exceedances; and
  - f. a copy of the steam chart which shows the exceedance.

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 5 days after the deviation occurs.

2. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any record which shows a deviation of the allowable sulfur dioxide emission limitation (lb/mmBtu), as shown by the calculated sulfur dioxide emission rates from section A.III.3 above. 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 45 days after the deviation occurs.
3. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) in writing of any exceedance of the oil specifications as stated in section A.II.4. 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 5 days after the deviation occurs.
4. 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.
5. The permittee shall submit annual reports that summarize the actual annual gallon usages of waste lubricating oil, and waste soybean oil and soybean oil sludge for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

### **V. Testing Requirements**

1. 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 6 months of the expiration of this permit;
  - 1.b The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for particulate emissions;
  - 1.c The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Methods 1 - 5 which are located in 40 CFR Part 60, Appendix A; and
  - 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.

## V. Testing Requirements (continued)

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:  
0.33 pound PE/mmBtu of actual heat input

Applicable Compliance Method:

The permittee shall demonstrate compliance with the emission limitation above based upon the results of emission testing conducted in accordance with 40 CFR, Part 60, Appendix A, Methods 1 - 5 and the procedures specified in OAC rule 3745-17-03(B)(9).

- 3.b Emission Limitation:  
6.7 pounds SO<sub>2</sub>/mmBtu of actual heat input

Applicable Compliance Method:

Compliance with this emission limitation shall be demonstrated based upon the record keeping requirements in section A.III and the methods outlined in OAC rule 3745-18-04(D)(3)(c).

- 3.c Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- 3.d Usage Restrictions:  
200 gallons of waste lubricating oil/year  
3,000 gallons of waste soybean oil and soybean oil sludge/year

Applicable Compliance Method:

Compliance with the usage restrictions above shall be demonstrated based upon the record keeping requirements in section A.III of this permit.

- 3.e Flow Restriction:  
54,624 pounds steam/hour

Applicable Compliance Method:

Compliance with the flow restriction above shall be demonstrated based upon the record keeping requirements in section A.III of this permit.

Facility Name: **Central Soya Company, Inc.**

Facility ID: **03-81-00-0011**

Emissions Unit: **Coal Fired Boiler (B001)**

## **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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Crackers (P001)

**Activity Description:** Multiple crackers crack soybeans into pieces to prepare for hull removal and flaking.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
soybean cracking and dehulling, with baghouse	OAC rule 3745-31-05(A)(3) (PTI No. 03-4292)	4.22 pounds particulate emissions (PE)/hour  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-17-11(B)	See section A.I.2.a.
	OAC rule 3745-17-07(A)	See section A.I.2.b.  Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

**2. Additional Terms and Conditions**

- 2.a** The permittee shall employ a baghouse to control all of 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 - 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 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 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.

#### **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:  
4.22 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (28,000 scfm), and then multiplying by 60 and dividing by 7000.

If required, the methods to be employed to demonstrate compliance with this emission limitation shall be Methods 1 - 5 of 40 CFR Part 60, Appendix A.

- 1.b Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Flakers (P002)

**Activity Description:** Multiple flakers press the soybean pieces into flakes before extraction of soybean oil.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
flaking mills, with cyclone and baghouse	OAC rule 3745-31-05(A)(3) (PTI No. 03-4292)	0.48 pound particulate emissions (PE)/hour
	OAC rule 3745-17-11(B)	See section A.I.2.a. See section A.I.2.b.
	OAC rule 3745-17-07(A)	See section A.I.2.c.

##### 2. Additional Terms and Conditions

- 2.a The permittee shall employ a baghouse to control all of the PE from this emissions unit.
- 2.b The uncontrolled mass rate of particulate emissions (PE) from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Erie County, which is identified as a P-3 county.
- 2.c This emissions unit is exempt from the visible PE 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 0.25 - 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 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 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. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.

## **V. Testing Requirements**

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

1.a Emission Limitation:  
0.48 pound PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed cyclone-baghouse outlet grain loading (0.10 grain/standard cubic foot) by the maximum air flow rate (4,670 scfm), and then multiplying by 60 and dividing by 7000. The resulting value is then multiplied by the control factor for the baghouse (1-0.90)\*.

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

\* The baghouse control efficiency 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Dehulling (P004)

**Activity Description:** Multiple aspirators pull hulls off the soybean pieces before the pieces go to the flakers.

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
dehulling aspirators, with baghouse	OAC rule 3745-17-11(B)	75.0 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

##### 2. Additional Terms and Conditions

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

##### II. Operational Restrictions

- The pressure drop across the baghouse shall be maintained within the range of 0.25 - 8 inches of water while the emissions unit is in operation.

##### III. Monitoring and/or Record Keeping Requirements

- 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 daily basis.

##### IV. Reporting Requirements

- 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. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.

##### V. Testing Requirements

- 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:

## **V. Testing Requirements (continued)**

- 1.a** Emission Limitation:  
75.0 pounds PE/hour

**Applicable Compliance Method:**

The permittee shall determine compliance with this emission limitation by multiplying the maximum process weight rate (tons/hour) by the appropriate emission factor from AP-42, Table 9.11.1-1, revised 11/95 (0.36 pound PE/ton of soybeans processed\*), and then multiplying by the control factor for the baghouse (1-0.999)\*\*.

If required, the methods to be employed to demonstrate compliance with this emission limitation shall be Methods 1 - 5, which are located in 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10).

\* This emission factor takes the cyclone into account.

\*\* The baghouse control efficiency is assumed to be 99.9%.

- 1.b** Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

**Applicable Compliance Method:**

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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 (P006)

**Activity Description:** Multiples shakers and aspirators remove minute soybean particles from hulls that have already been removed for the primary pass of soybean pieces

#### A. State and Federally Enforceable Section

##### I. Applicable Emissions Limitations and/or Control Requirements

- 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
hull refining, with baghouse	OAC rule 3745-17-11(B)	33.0 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

##### 2. Additional Terms and Conditions

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

##### II. Operational Restrictions

- The pressure drop across the baghouse shall be maintained within the range of 0.25 - 8 inches of water while the emissions unit is in operation.

##### III. Monitoring and/or Record Keeping Requirements

- 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 daily basis.

##### IV. Reporting Requirements

- 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. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.

##### V. Testing Requirements

- 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:

**V. Testing Requirements (continued)**

- 1.a** Emission Limitation:  
33.0 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (7,000 scfm), and then multiplying by 60 and dividing by 7000.

If required, the methods to be employed to demonstrate compliance with this emission limitation shall be Methods 1 - 5, which are located in 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10).

- 1.b** Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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 System (P009)

**Activity Description:** Shakers size the meal, grinders grind it for storage or 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
meal grinding, with baghouse	OAC rule 3745-17-11(B)	16.5 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

#### 2. Additional Terms and Conditions

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

#### II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 - 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 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 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. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.

#### 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:

**V. Testing Requirements (continued)**

- 1.a** Emission Limitation:  
16.5 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (7,000 scfm), and then multiplying by 60 and dividing by 7000.

If required, the methods to be employed to demonstrate compliance with this emission limitation shall be Methods 1 - 5, which are located in 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10).

- 1.b** Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Shanzer Dryer (P013)  
**Activity Description:** Backup grain dryer not currently in use.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
grain dryer, with screen klean vacuum system	OAC rule 3745-17-08(A)	See section A.I.2.a.
	OAC rule 3745-17-07(B)	See section A.I.2.b.

**2. Additional Terms and Conditions**

- 2.a This facility is located in Van Wert County which is not an "Appendix A" area as indicated in Appendix A of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08.
- 2.b This emissions unit is exempt from the visible particulate emission 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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 Receiving (P016)

**Activity Description:** Grain is unloaded from trucks where it then goes into the elevator.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
grain receiving (truck), with baghouse	OAC rule 3745-17-11(B)	26.1 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.
	OAC rule 3745-17-08(A)	See section A.I.2.a.
	OAC rule 3745-17-07(B)	See section A.I.2.b.

**2. Additional Terms and Conditions**

- 2.a This facility is located in Van Wert County which is not an "Appendix A" area as indicated in Appendix A of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08.
- 2.b This emissions unit is exempt from the visible particulate emission limitation specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

**II. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 - 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 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 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. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.

## 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:  
26.1 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (5,700 scfm), and then multiplying by 60 and dividing by 7000.

If required, the methods to be employed to demonstrate compliance with this emission limitation shall be Methods 1 - 5, which are located in 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Rail Receiving (P017)

**Activity Description:** Grain is unloaded from railcars where it then goes into the elevator.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
grain receiving (rail), with baghouse	OAC rule 3745-17-11(B)	61.8 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.
	OAC rule 3745-17-08(A)	See section A.I.2.a.
	OAC rule 3745-17-07(B)	See section A.I.2.b.

**2. Additional Terms and Conditions**

- 2.a This facility is located in Van Wert County which is not an "Appendix A" area as indicated in Appendix A of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08.
- 2.b This emissions unit is exempt from the visible particulate emission limitation specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

**II. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 - 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 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 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. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.

## **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:  
61.8 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (18,000 scfm), and then multiplying by 60 and dividing by 7000.

If required, the methods to be employed to demonstrate compliance with this emission limitation shall be Methods 1 - 5, which are located in 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10).

**1.b** Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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 Conveying & Storage (P019)

**Activity Description:** A grinder and a blower grind the soybean hulls and convey them to storage; the product becomes millfeed.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
millfeed grinding, with bin vent and 2 baghouses	OAC rule 3745-31-05(A)(3)  PTI 03-7272	0.384 pound particulate emissions (PE)/hour  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-17-11(B)	See section A.I.2.a.
	OAC rule 3745-17-07(A)	See section A.I.2.b.  Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

##### 2. Additional Terms and Conditions

- 2.a The permittee shall employ a bin vent and 2 baghouses to control all of 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 and bin vent shall be maintained within the range of 0.25 - 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 and bin vent 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 and bin vent on a daily 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 any stack 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. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. 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 the baghouse or the bin vent did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from any stack 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 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:  
0.384 pound PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (7,500 scfm), and then multiplying by 60 and dividing by 7000.

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

- 1.b Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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 (P028)

**Activity Description:** Meal is pulled from storage and placed in trucks with a loader device.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
meal load-out (truck), with baghouse	OAC rule 3745-17-11(B)	9.61 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.
	OAC rule 3745-17-08(A)	See section A.I.2.a.
	OAC rule 3745-17-07(B)	See section A.I.2.b.

**2. Additional Terms and Conditions**

- 2.a** This facility is located in Van Wert County which is not an "Appendix A" area as indicated in Appendix A of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08.
- 2.b** This emissions unit is exempt from the visible particulate emission limitation specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.c** The permittee shall employ a baghouse to control all of the PE from this emissions unit.

**II. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 - 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 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 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. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.

## **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:  
9.61 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (15,000 scfm), and then multiplying by 60 and dividing by 7000.

If required, the methods to be employed to demonstrate compliance with this emission limitation shall be Methods 1 - 5, which are located in 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10).

**1.b** Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Rail Meal Loadout (P029)

**Activity Description:** Meal is pulled from storage and placed in railcars with a loader device.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
meal load-out (rail), with baghouse	OAC rule 3745-17-11(B)	16.1 pounds particulate emissions (PE)/hour
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.
	OAC rule 3745-17-08(A)	See section A.I.2.a.
	OAC rule 3745-17-07(B)	See section A.I.2.b.

**2. Additional Terms and Conditions**

- 2.a** This facility is located in Van Wert County which is not an "Appendix A" area as indicated in Appendix A of OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A)(1), it is exempt from the requirements of OAC rule 3745-17-08.
- 2.b** This emissions unit is exempt from the visible particulate emission limitation specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.c** The permittee shall employ a baghouse to control all of the PE from this emissions unit.

**II. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 0.25 - 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 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 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. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.

## 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:  
16.1 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (3,000 scfm), and then multiplying by 60 and dividing by 7000.

If required, the methods to be employed to demonstrate compliance with this emission limitation shall be Methods 1 - 5, which are located in 40 CFR Part 60, Appendix A and the procedures specified in OAC rule 3745-17-03(B)(10).

1.b Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** DTDC (P031)

**Activity Description:** A large piece of equipment with six trays the extracted soybean flakes move through. This equipment Desolventizes, Toasts, Dries and Cools the product.

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
conventional soybean oil extraction operation (DTDC, 2 extractors and hexane storage/recovery operation), with 2 cyclones and mineral oil absorber	OAC rule 3745-31-05(A) (PTI No. 03-7272)	2.12 pounds particulate emissions (PE)/hour
		63.84 tons volatile organic compounds (VOC)/rolling, 30-day period
		383 tons VOC/rolling, 12-month period
		The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-21-07(G)	See sections A.I.2.a and A.I.2.b.
	OAC rule 3745-17-11(B)	None, see section A.II.1.
	OAC rule 3745-17-07(A)	See section A.I.2.c.
		Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

**2. Additional Terms and Conditions**

- 2.a The permittee shall employ best available technology (BAT) for this emissions unit. BAT has been determined to be the use of 2 cyclones to control all of the PE. The condenser/absorber system is an integral part of this emissions unit and is designed to control all the VOC emissions (hexane is the only VOC employed in this emissions unit).

## 2. Additional Terms and Conditions (continued)

- 2.b** Hexane consumption, i.e., the emission rates from the hexane extraction operation shall be determined on a "mass balance" basis. Consumption, i.e., the emission rates, shall not exceed the following levels:
- i. total hexane consumption shall not exceed 136,800 gallons (383 tons)/rolling, 12-month period;
  - ii. total hexane consumption shall not exceed 0.24 gallon/ton of crushed soybeans (0.000672 pound of hexane/pound of crushed soybeans), based on a rolling, 180-day weighted average; and
  - iii. the short-term loss of hexane shall not exceed 63.84 tons/rolling, 30-day period.
- 2.c** 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 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 the cyclone shall be maintained within the range of 0.25 - 8 inches of water while the emissions unit is in operation.

## III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information on a daily basis for this emissions unit:
  - 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, 180-day weighted average hexane loss rate, in gallons of hexane/ton of crushed soybeans, and in pounds hexane/pound crushed soybeans [the sum of a for any 180-day period];
  - e. the rolling, 30-day 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.

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

2. The permittee shall maintain the following information each month for this emissions unit:
  - a. the company identification of each liquid organic material employed;
  - b. documentation on whether or not each liquid organic material employed is a photochemically reactive material;
  - c. the total hexane consumption [this is the summation of the daily hexane consumption (from section A.III.1.a) for the calendar month], in gallons or tons; and
  - d. the rolling, 12-month total hexane consumption, in gallons or tons.
3. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the cyclones 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 cyclones on a daily basis.

### 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 the following:
  - a. all exceedances of the limitation of 136,800 gallons (383 tons) hexane/rolling, 12-month period;
  - b. all exceedances of the limitation of 0.24 gallon hexane/ton of crushed soybeans (0.000672 pound of hexane/pound of crushed soybeans) based on a rolling, 180-day weighted average;
  - c. all exceedances of the limitation of 63.84 tons hexane/rolling, 30-day period; and
  - d. all periods of time during which the pressure drop across the cyclones did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit.
3. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.
4. The permittee shall also submit annual reports that specify the total hexane emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

### 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 Limitations:  
63.84 tons VOC/rolling, 30-day period; 383 tons VOC/rolling, 12-month period  
  
Applicable Compliance Method:  
The permittee shall demonstrate compliance with these emission limitations based upon the record keeping required in sections A.III.1 and A.III.2 of the terms and conditions of this permit.
  - 1.b Emission Limitation:  
0.24 gallon hexane/ton crushed soybeans, based on a rolling, 180-day weighted-average  
  
Applicable Compliance Method:  
The permittee shall demonstrate compliance with this emission limitation based upon the record keeping required in section A.III.1 of the terms and conditions of this permit.

Facility Name: **Central Soya Company, Inc.**

Facility ID: **03-81-00-0011**

Emissions Unit: **DTDC (P031)**

## **V. Testing Requirements (continued)**

- 1.c** Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

- 1.d** Emission Limitation:  
2.12 pounds PE/hour

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the hourly PE limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 5.

## **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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Grain Dryer (P034)

**Activity Description:** A dryer dries incoming grain for storage and processing.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
bean dryer, with cyclone	OAC rule 3745-31-05(A)(3) (PTI No. 03-4292)	3.12 pounds particulate emissions (PE)/hour
		4.89 pounds nitrogen oxides (NOx)/hour
		visible PE shall not exceed 0 percent opacity, as a 6-minute average
	OAC rule 3745-17-11(B)  OAC rule 3745-17-07(A)	See section A.I.2.a.
		See section A.I.2.b.
		See section A.I.2.c.

##### 2. Additional Terms and Conditions

- 2.a The permittee shall employ a cyclone to control all of the PE from this emissions unit.
- 2.b The uncontrolled mass rate of particulate emissions (PE) from this emissions unit is less than 10 pounds/hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply since the facility is located in Erie County, which is identified as a P-3 county.
- 2.c This emissions unit is exempt from the visible PE 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 cyclone shall be maintained within the range of 0.25 - 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 the 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 the cyclone on a daily 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 stack 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. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. 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 cyclone did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack 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 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:  
3.12 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed cyclone outlet grain loading (0.0021 grain/standard cubic foot) by the maximum air flow rate (36,000 scfm), and then multiplying by 60 and dividing by 7000.

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

- 1.b Emission Limitation:  
4.89 pounds NOx/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the maximum amount of natural gas combusted (standard cubic feet/hour) by the appropriate emission factor from AP-42, Table 1.4-1, revised 7/98 (100 pounds NOx/million standard cubic feet).

If required, the method to be employed to demonstrate compliance with this emission limitation shall be Method 7, which is located in 40 CFR Part 60, Appendix A.

Facility Name: **Central Soya Company, Inc.**

Facility ID: **03-81-00-0011**

Emissions Unit: **Grain Dryer (P034)**

## **V. Testing Requirements (continued)**

**1.c** Emission Limitation:  
visible PE shall not exceed 0 percent opacity, as a 6-minute average

Applicable Compliance Method:

If required, the method to be employed to demonstrate compliance with this visible emission 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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 & Pod Grinding/Storage (P035)  
**Activity Description:** Cleans all incoming beans for storage or processing

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
bean cleaning, with baghouse	OAC rule 3745-31-05(A)(3) (PTI No. 03-6461)	0.83 pound particulate emissions (PE)/hour  visible PE shall not exceed 0 percent opacity, as a 6-minute average  See section A.I.2.a.
	OAC rule 3745-17-11(B)	See section A.I.2.b.
	OAC rule 3745-17-07(A)	See section A.I.2.b.

**2. Additional Terms and Conditions**

- 2.a The permittee shall employ a baghouse to control all of 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 - 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 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 daily 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 stack 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. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. 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. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from the stack 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 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:  
0.83 pound PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (18,000 scfm), and then multiplying by 60 and dividing by 7000.

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

- 1.b Emission Limitation:  
visible PE shall not exceed 0 percent opacity, as a 6-minute average

Applicable Compliance Method:

If required, the method to be employed to demonstrate compliance with this visible emission 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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:** Fine Grind Meal System (P038)  
**Activity Description:** Shakers and grinders produce a finer grind meal.

#### 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
soybean meal sizing and classification process, with baghouse and bin vent	OAC rule 3745-31-05(A)(3) (PTI No. 03-4978)	1.4 pounds particulate emissions (PE)/hour  The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-17-11(B)	See section A.I.2.a.
	OAC rule 3745-17-07(A)	See section A.I.2.b.  Visible PE shall not exceed 20 percent opacity, as a 6-minute average, except as otherwise provided by rule.

##### 2. Additional Terms and Conditions

- 2.a The permittee shall employ a baghouse and bin vent to control all of 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 and bin vent shall be maintained within the range of 0.25 - 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 the baghouse and bin vent 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 and bin vent on a daily 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 any stack 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. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and
  - e. 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 or bin vent did not comply with the allowable range specified in section A.II.1 of the terms and conditions of this permit. The quarterly deviation reports shall be submitted in accordance with the procedures specified in General Term and Condition A.1.c.ii.
2. The permittee shall submit semiannual written reports which (a) identify all days during which any visible particulate emissions were observed from any stack 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 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:  
1.4 pounds PE/hour

Applicable Compliance Method:

The permittee shall determine compliance with this emission limitation by multiplying the manufacturer's-guaranteed baghouse outlet grain loading (0.005 grain/standard cubic foot) by the maximum air flow rate (28,000 scfm), and then multiplying by 60 and dividing by 7000.

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

- 1.b Emission Limitation:  
Visible PE shall not exceed 20 percent opacity as a 6-minute average, except as otherwise provided by rule.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures 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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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**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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