State of Ohio Environmental Protection Agency

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

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

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

05/30/03

CERTIFIED MAIL

RE: Final Title V Chapter 3745-77 permit

05-75-01-0160
CARGILL, INCORPORATED
JOE PEANASKY
2400 INDUSTRIAL DRIVE
SIDNEY, OH 45365-8952

Dear JOE PEANASKY:

Enclosed is the Title V permit that allows you to operate the facility in the manner indicated in the permit. Because this permit may contain several conditions and restrictions, we urge you to read it carefully.

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street
Room 300
Columbus, Ohio 43215

If you have any questions, please contact Southwest District Office.

Very truly yours,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: Southwest District Office
File, DAPC PMU

State of Ohio Environmental Protection Agency

FINAL TITLE V PERMIT

Issue Date: **05/30/03**	Effective Date: **06/20/03**	Expiration Date: **06/20/08**

This document constitutes issuance of a Title V permit for Facility ID: 05-75-01-0160 to:
CARGILL, INCORPORATED
2400 INDUSTRIAL DRIVE
SIDNEY, OH 45365-8952

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

B001 (BOILER #1)
BOILER #1, 54.35 MMBTU/HR COAL-FIRED

B002 (BOILER #2)
BOILER #2, 54.35 MMBTU/HR COAL-FIRED

B005 (HYDROGEN PLANT)
HYDROGEN PLANT, INCLUDING 21.86 MMBTU/HR NG-FIRED REACTOR, HYDROGEN STORAGE

B006 (BOILER #4)
BOILER #4, 62 MMBTU/HR NG-FIRED

P004 (SCALPING)
SCALPING - SHARED CD AND STACK WITH P024

P005 (HEADHOUSE)
HEADHOUSE

P006 (COLUMN GRAIN DRYER #1)
COLUMN GRAIN DRYER #1

P007 (SCALPING & CRACKING)
REMOVES FOREIGN MATERIAL BY PHYSICAL MEANS

P008 (SECONDARY DEHULLING (#2 DUST COLLECTOR))
SECONDARY DEHULLING (#2 DUST COLLECTOR)

P009 (PRIMARY DEHULLING (#3 & #4 DUST COLLECTORS))
PRIMARY DEHULLING (#3 & #4 DUST COLLECTORS)

P010 (FLAKERS)
FLAKER

P011 (HULL AND POD GRINDING)
HULL AND POD GRINDING

P012 (CONDITIONER)
CONDITIONER

P015 (MEAL GRINDING & SIFTING)
MEAL GRINDING & SIFTING

P016 (MEAL SCREENING)
MEAL LOADOUT SCREEN AND SCALE HOPPER (DUST COLLECTOR 871)

P018 (VEGETABLE OIL EXTRACTION)
VEGETABLE OIL EXTRACTION - INCLUDES ALL HEXANE EMISSIONS PRIOR TO REFINERY

P024 (ASPIRATOR)
ASPIRATOR - SHARED CD AND STACK WITH P004

P030 (DRYER/COOLER EX-2)
DRYER/COOLER EX-2

P031 (VEGETABLE OIL REFINERY)
VEGETABLE OIL REFINERY

P032 (MEAL STORAGE TANK WEST (44%))
MEAL STORAGE TANK WEST (44%)

P033 (MEAL STORAGE TANK EAST (48%))
MEAL STORAGE TANK EAST (48%)

P034 (COLUMN GRAIN DRYER #2)
COLUMN GRAIN DRYER #2

P901 (MEAL TRUCK LOADING)
MEAL TRUCK LOADING

P902 (MEAL RAIL LOADING)
MEAL RAIL LOADING

P903 (TRUCK RECEIVING)
TRUCK RECEIVING

P904 (RAIL RECEIVING)
RAIL RECEIVING

T002 (HEXANE TANK #85)
HEXANE TANK #85, UNDERGROUND HEXANE STORAGE - EMISSIONS INCLUDED IN P018

T003 (HEXANE TANK #86)
HEXANE TANK #86 - EMISSIONS INCLUDED IN P018

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 3745-77-08(E) 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:

Southwest District Office
401 East Fifth Street
Dayton, OH 45402-2911
(513) 285-6357

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Record Keeping 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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c. The permittee shall submit required reports in the following manner:

i. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

ii. **All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) with respect to emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:**

(a) Written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations ; (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. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, i.e., in Part III of this Title V permit, 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. These written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six

months and the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations. See B.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) ,(ii) and (iii))

(b) Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the deviation reporting requirements for this Title V permit, written reports that identify each malfunction that occurred during each calendar quarter shall be submitted, at a minimum, quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year, and shall cover the previous calendar quarters.

In identifying each deviation caused by a malfunction, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Also, if a deviation caused by a malfunction is identified in a written report submitted pursuant to paragraph (a) above, a separate report is not required for that malfunction pursuant to this paragraph. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing, at a minimum, on a quarterly basis.

Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation, operational restriction, and control device operating parameter limitation shall be reported in the same manner as described above for malfunctions. These written reports for malfunctions (and scheduled maintenance projects, if appropriate) shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(iii))

iii. **For monitoring, record keeping, and reporting requirements:**
Written reports that identify any deviations from the federally enforceable monitoring, record keeping, 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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, record keeping, 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.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

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 of any emissions unit(s) 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 OAC rule 3745-15-06, 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).
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iii))

3. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a. a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b. as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

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.
(Authority for term: OAC rule 3745-77-07(A)(5))

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.
(Authority for term: OAC rule 3745-77-07(A)(6))

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, in accordance with A.10 below. 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.

(Authority for term: OAC rule 3745-77-07(A)(7))

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.

(Authority for term: OAC rule 3745-77-07(A)(8))

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.

(Authority for term: OAC rule 3745-77-07(A)(9))

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.

(Authority for term: OAC rule 3745-77-07(A)(10))

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 (18) 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.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

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.

(Authority for term: OAC rule 3745-77-07(B))

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 Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA 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.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

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.

(Authority for term: OAC rule 3745-77-07(F))

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).
(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

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.
(Authority for term: OAC rule 3745-77-07(G))

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 of the U.S. EPA, 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.

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 purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)
(Authority for term: OAC rule 3745-77-07(I))

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.
(This term is provided for informational purposes only.)

18. Insignificant Activities

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

19. 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.
(Authority for term: OAC rule 3745-77-07(A)(1))

20. 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.
(Authority for term: OAC rule 3745-77-07(A)(1))

B. *State Only Enforceable Section*

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or record keeping 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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.)

2. 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.

3. 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.

4. 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).

5. 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.

6. 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

1. The permittee may be subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers, 40 CFR Part 63, Subpart DDDDD. U.S. EPA failed to promulgate this standard by May 15, 2002, the Maximum Achievable Control Technology (MACT) hammer date. In accordance with 40 CFR Part 63, Subpart B (40 CFR Parts 63.50 through 63.56), the permittee shall submit an application to revise the permit to include equivalent emission limitations as a result of a case-by-case MACT determination. The application shall be submitted in two parts. The deadline to submit the Part I application, as specified in 40 CFR Part 63.53, was May 15, 2002.

2. If the final NESHAP standard is not promulgated by the deadline specified by U.S. EPA, the permittee shall submit the Part II application as specified in 40 CFR Part 63.53. The Part II application shall be submitted within 60 days after the deadline to promulgate the respective standard or by May 15, 2003, whichever is later. It must contain the following information, unless otherwise specified by future U.S. EPA regulations:

a. for a new affected source, the anticipated date of startup of operation;

b. the hazardous air pollutants (HAPs) emitted by each affected source in the relevant source category and an estimated total uncontrolled and controlled emission rate for HAPs from the affected source;

c. any existing federal, State, or local limitations or requirements applicable to the affected source;

d. for each affected emission point or group of affected emission points, an identification of control technology in place;

e. information relevant to establishing the MACT floor (or MACT emission limitation), and, at the option of the permittee, a recommended MACT floor; and

f. any other information reasonably needed by the permitting authority including, at the discretion of the permitting authority, information required pursuant to Subpart A of 40 CFR Part 63.

The Part II application for a MACT determination may, but is not required to, contain the following information:

a. recommended emission limitations for the affected source and support information (the permittee may recommend a specific design, equipment, work practice, or operational standard, or combination thereof, as an emission limitation);

b. a description of the control technologies that would be applied to meet the emission limitation, including technical information on the design, operation, size, estimated control efficiency and any other information deemed appropriate by the permitting authority, and identification of the affected sources to which the control technologies must be applied; and

c. relevant parameters to be monitored and frequency of monitoring to demonstrate continuous compliance with the MACT emission limitation over the applicable reporting period.

A. State and Federally Enforcable Section (continued)

3. If the NESHAP is promulgated before the Part II application is due for the relevant source category, the permittee may be subject to the rule as an existing major source with a compliance date as specified in the NESHAP. If subject, the permittee shall submit the following notifications:

a. Unless otherwise specified in the relevant Subpart, within 120 days after promulgation of a 40 CFR Part 63 Subpart to which the source is subject, the permittee shall submit an Initial Notification Report that contains the following information, in accordance with 40 CFR Part 63.9(b)(2):

i. the name and mailing address of the permittee;

ii. the physical location of the source if it is different from the mailing address;

iii. identification of the relevant MACT standard and the source's compliance date;

iv. a brief description of the nature, design, size, and method of operation of the source, and an identification of the types of emission points within the affected source subject to the relevant standard and the types of HAPs emitted; and

v. a statement confirming the facility is a major source for HAPs.

b. Unless otherwise specified in the relevant Subpart, within 60 days following completion of any required compliance demonstration activity specified in the relevant Subpart, the permittee shall submit a notification of compliance status that contains the following information:

i. the methods used to determine compliance;

ii. the results of any performance tests, visible emission observations, continuous monitoring systems performance evaluations, and/or other monitoring procedures or methods that were conducted;

iii. the methods that will be used for determining continuous compliance, including a description of monitoring and reporting requirements and test methods;

iv. the type and quantity of HAPs emitted by the source, reported in units and averaging times in accordance with the test methods specified in the relevant Subpart;

v. an analysis demonstrating whether the affected source is a major source or an area source;

vi. a description of the air pollution control equipment or method for each emission point, including each control device or method for each HAP and the control efficiency (percent) for each control device or method; and

vii. a statement of whether or not the permittee has complied with the requirements of the relevant Subpart.

B. State Only Enforceable Section

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

B003 - Refinery deodorizer high pressure boiler #3
F001 - Coal pile & handling
F002 - Paved roadways and parking areas
P020 - Ash handling system B-2
P022 - Meal flowing agent clay receiving & handling
P023 - Railcar receiving scale and garners
P026 - High pressure boiler unit #2
P029 - Transfer of powdered processing aids (3 types)
Z003 - Weedseed tank
Z004 - Cooling tower #1 - plant system
Z005 - Cooling tower #2 - plant system
Z006 - Cooling tower #1 - refinery system
Z007 - Cooling tower #2 - refinery system
Z008 - Hulls tank

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitation 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: BOILER #1 (B001)

Activity Description: BOILER #1, 54.35 MMBTU/HR COAL-FIRED

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
54.35 mmBtu/hr [derated to 35.02 mmBtu/hr], coal-fired boiler #1, equipped with a baghouse	OAC rule 3745-17-10 (C)(1)	0.21 lb of particulate emissions (PE)/mmBtu of actual heat input
	OAC rule 3745-18-81	3.6 lbs of SO2/mmBtu of actual heat input
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

2. Additional Terms and Conditions

2.a Pursuant to OAC rule 3745-17-10, the total heat input for this emissions unit has been derated from 54.35 mmBtu/hr to 35.02 mmBtu/hr (the derated total heat input of 35.02 mmBtu/hr corresponds to a steam load of 41,400 pounds per hour). Using the derated total heat input, the allowable particulate emissions rate for this emissions unit, from Figure I of OAC rule 3745-17-10, is 0.21 pound per mmBtu actual heat input.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 4.0 inches of water while the emissions unit is in operation.

2. At no time shall the steam flow rate from this emissions unit exceed 41,400 pounds per hour (as an hourly average).

3. The quality of the coal received for burning in this emissions unit shall have a sulfur content that is sufficient to comply with the allowable SO2 emission limitation specified in Section A.I above.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect or require its supplier(s) to collect a representative grab sample of coal from each shipment. A shipment may be comprised of multiple loads from the same supplier's batch, and the quality for the coal for those loads may be represented by a single batch analysis from the supplier. In lieu of performing on-site grab sampling, representative fuel analysis performed by the fuel supplier(s) is acceptable.

The representative sampling procedures for the collection of coal shall be performed in accordance with the most recently approved ASTM methods.

The representative sample from each shipment of coal shall be analyzed for sulfur content (weight percent) and heat content (Btu/pound of coal). The procedures for the analytical methods shall be performed in accordance with the most recently approved ASTM methods. Alternative, equivalent methods may be used upon approval from Ohio EPA, Southwest District Office.

2. The permittee shall maintain monthly records of the total quantity of coal received, the results of the analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu) for each shipment during the month.

3. Monitoring of the boiler shall be performed in accordance with an operation and maintenance plan that is consistent with the manufacturer's recommendations and good engineering practices. Records of inspections and maintenance activities for the boiler shall be maintained in accordance with the operations and maintenance plan for the equipment.

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

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

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

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 installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

6. The permittee shall continuously monitor and record the steam flow rate, in pounds/hr, from 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 Ohio EPA, Southwest District Office) upon verbal or written request.

7. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-219, issued on 1/20/78: A.III.1 thru 6. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) in writing of any record that shows a deviation of the allowable sulfur dioxide emission limitation (lb/mmBtu), as shown by the calculated sulfur dioxide emission rates from Sections A.III.1 and A.III.2 above. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 45 days after the deviation occurs.

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

3. 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 above.

These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. If for any reason the steam flow rate from this emissions unit exceeded 41,400 pounds per hour, the following information shall be reported within 5 business days after the exceedance occurs:

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 corrective action which has been or will be taken to prevent similar exceedances in the future; and

f. a copy of the steam chart which shows the exceedance.

5. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-219, issued on 1/20/78: A.IV.1 thru 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

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

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR Part 60, Appedix A.

b. Emission Limitation:
0.21 lb of PE/mmBtu of actual heat input

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limitation above based upon the results of stack testing conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

c. Emission Limitation:
3.6 lbs of SO2/mmBtu of actual heat input

Applicable Compliance Method:

The permittee shall demonstrate compliance with the emission limitation above through the record keeping requirements in section A.III of this permit.

If required, the permittee shall demonstrate compliance with the emission limitation above based upon the results of stack testing conducted in accordance with Methods 1 through 4 and 6 of 40 CFR, Part 60, Appendix A.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 1 1/2 years after the issuance of the permit. Further testing may be requested in accordance with Engineering Guide #16.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

If applicable, alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, Southwest District Office.

d. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southwest District Office.

V. Testing Requirements (continued)

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent-to-Test" notification to the Ohio EPA, Southwest District Office. 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, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER #2 (B002)

Activity Description: BOILER #2, 54.35 MMBTU/HR COAL-FIRED

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
54.35 mmBtu/hr [derated to 26.4 mmBtu/hr], coal-fired boiler #1, equipped with a baghouse	OAC rule 3745-17-10 (C)(1)	0.21 lb of particulate emissions (PE)/mmBtu of actual heat input
	OAC rule 3745-18-81	3.6 lbs of SO2/mmBtu of actual heat input
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.

2. Additional Terms and Conditions

2.a Pursuant to OAC rule 3745-17-10, the total heat input for this emissions unit has been derated from 54.35 mmBtu/hr to 26.4 mmBtu/hr (the derated total heat input of 35.02 mmBtu/hr corresponds to a steam load of 41,400 pounds per hour). Using the derated total heat input, the allowable particulate emissions rate for this emissions unit, from Figure I of OAC rule 3745-17-10, is 0.21 pound per mmBtu actual heat input.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 0.5 to 4.0 inches of water while the emissions unit is in operation.

2. At no time shall the steam flow rate from this emissions unit exceed 37,000 pounds per hour (as an hourly average).

3. The quality of the coal received for burning in this emissions unit shall have a sulfur content that is sufficient to comply with the allowable SO2 emission limitation specified in Section A.I above.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect or require its supplier(s) to collect a representative grab sample of coal from each shipment. A shipment may be comprised of multiple loads from the same supplier's batch, and the quality for the coal for those loads may be represented by a single batch analysis from the supplier. In lieu of performing on-site grab sampling, representative fuel analysis performed by the fuel supplier(s) is acceptable.

The representative sampling procedures for the collection of coal shall be performed in accordance with the most recently approved ASTM methods.

The representative sample from each shipment of coal shall be analyzed for sulfur content (weight percent) and heat content (Btu/pound of coal). The procedures for the analytical methods shall be performed in accordance with the most recently approved ASTM methods. Alternative, equivalent methods may be used upon approval from Ohio EPA, Southwest District Office.

2. The permittee shall maintain monthly records of the total quantity of coal received, the results of the analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu) for each shipment during the month.

3. Monitoring of the boiler shall be performed in accordance with an operation and maintenance plan that is consistent with the manufacturer's recommendations and good engineering practices. Records of inspections and maintenance activities for the boiler shall be maintained in accordance with the operations and maintenance plan for the equipment.

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

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

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

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 installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

6. The permittee shall continuously monitor and record the steam flow rate, in pounds/hr, from 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 Ohio EPA, Southwest District Office) upon verbal or written request.

7. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-219, issued on 1/20/78: A.III.1 thru 6. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall notify the Director (the Ohio EPA, Southwest District Office) in writing of any record that shows a deviation of the allowable sulfur dioxide emission limitation (lb/mmBtu), as shown by the calculated sulfur dioxide emission rates from Sections A.III.1 and A.III.2 above. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Southwest District Office) within 45 days after the deviation occurs.

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

3. 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 above.

These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. If for any reason the steam flow rate from this emissions unit exceeded 41,400 pounds per hour, the following information shall be reported within 5 business days after the exceedance occurs:

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 corrective action which has been or will be taken to prevent similar exceedances in the future; and

f. a copy of the steam chart which shows the exceedance.

5. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-219, issued on 1/20/78: A.IV.1 thru 4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

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

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR Part 60, Appedix A.

b. Emission Limitation:
0.21 lb of PE/mmBtu of actual heat input

Applicable Compliance Method:
The permittee shall demonstrate compliance with the emission limitation above based upon the results of stack testing conducted in accordance with Methods 1 through 5 of 40 CFR, Part 60, Appendix A.

c. Emission Limitation:
3.6 lbs of SO2/mmBtu of actual heat input

Applicable Compliance Method:

The permittee shall demonstrate compliance with the emission limitation above through the record keeping requirements in section A.III of this permit.

If required, the permittee shall demonstrate compliance with the emission limitation above based upon the results of stack testing conducted in accordance with Methods 1 through 4 and 6 of 40 CFR, Part 60, Appendix A.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 1 1/2 years after the issuance of the permit. Further testing may be requested in accordance with Engineering Guide #16.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

If applicable, alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, Southwest District Office.

d. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southwest District Office.

V. Testing Requirements (continued)

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent-to-Test" notification to the Ohio EPA, Southwest District Office. 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, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: HYDROGEN PLANT (B005)

Activity Description: HYDROGEN PLANT, INCLUDING 21.86 MMBTU/HR NG-FIRED REACTOR, HYDROGEN STORAGE

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
hydrogen plant, including a 21.86 mmBtu/hr, natural gas-fired boiler, hydrogen storage	OAC rule 3745-31-05 (PTI 05-7314)	0.0006 lb of sulfur dioxide (SO2)/mmBtu of actual heat input 0.14 lb of nitrogen oxides (NOx)/mmBtu of actual heat input 0.084 lb of carbon monoxide (CO)/mmBtu of actual heat input 0.01 lb of organic compounds (OC)/mmBtu of actual heat input The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-10(B)(1) and 3745-17-07(A) and 40 CFR, Part 60, Subpart Dc.
	OAC rule 3745-17-10(B)(1)	0.020 lb of particulate emissions (PE)/mmBtu of actual heat input
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	40 CFR Part, 60, Subpart Dc	Exempt, see section A.II.1. below.
	OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.b.

2. Additional Terms and Conditions

2.a There are no sulfur dioxide emission limitations established by OAC Chapter 3745-18 for this emissions unit because the emissions unit employs only natural gas.

2. Additional Terms and Conditions (continued)

2.b The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 05-7314.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

II. Operational Restrictions

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

III. Monitoring and/or Record Keeping Requirements

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

IV. Reporting Requirements

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

2. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirement is as stringent as or more stringent than the reporting requirement contained in Permit to Install No. 05-7314, issued on 5/1/96: A.IV.1. The reporting requirement contained in the above-referenced Permit to Install is subsumed into the reporting requirement of this operating permit, so that compliance with this requirement constitutes compliance with the underlying reporting requirement in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
0.0006 lb of SO2/mmBtu of actual heat input

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

If required, compliance with the SO2 emission limitation above shall be determined by emission testing performed in accordance with Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation:
0.14 lb of NOx/mmBtu of actual heat input

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

If required, compliance with the NOx emission limitation above shall be determined in accordance with Methods 1 through 4 and 7 of 40 CFR, Part 60, Appendix A.

1.c Emission Limitation:
0.084 lb CO/mmBtu of actual heat input

Applicable Compliance Method:
The permittee may demonstrate compliance with the CO emission limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor, from AP-42, Table 1.4-1 (revised 7/98), of 84 lbs CO/mm cu. ft, and then dividing by the maximum heat input to the boiler (mmBtu/hr).

If required, compliance with the CO emission limitation above shall be determined in accordance with Methods 1 through 4 and 10 of 40 CFR, Part 60, Appendix A.

1.d Emission Limitation:
0.01 lb OC/mmBtu of actual heat input.

Applicable Compliance Method:
The permittee may demonstrate compliance with the OC emission limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor, from AP-42, Table 1.4-2 (revised 7/98), of 5.5 lbs OC/mm cu. ft, and then dividing by the maximum heat input to the boiler (mmBtu/hr).

If required, compliance with the OC emission limitation above shall be determined in accordance with Methods 1 through 4, 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

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

Applicable Compliance Method: The permittee may demonstrate compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filtrable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

If required, compliance with the PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

1.f Emission Limitation: Visible emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR Part 60, Appedix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BOILER #4 (B006)

Activity Description: BOILER #4, 62 MMBTU/HR NG-FIRED

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
62 mmBtu/hr, natural gas-fired boiler #4	OAC rule 3745-31-05 (PTI 05-7314)	0.0006 lb of sulfur dioxide (SO2)/mmBtu of actual heat input 0.14 lb of nitrogen oxides (NOx)/mmBtu of actual heat input 0.084 lb of carbon monoxide (CO)/mmBtu of actual heat input 0.01 lb of organic compounds (OC)/mmBtu of actual heat input The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-10(B)(1) and 3745-17-07(A) and 40 CFR, Part 60, Subpart Dc.
	OAC rule 3745-17-10(B)(1)	0.020 lb of particulate emissions (PE)/mmBtu of actual heat input
	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	40 CFR Part, 60, Subpart Dc	Exempt, see section A.II.1. below.
	OAC rules 3745-21-08(B) and 3745-23-06(B)	See A.I.2.b.

2. Additional Terms and Conditions

2.a There are no sulfur dioxide emission limitations established by OAC Chapter 3745-18 for this emissions unit because the emissions unit employs only natural gas.

2. Additional Terms and Conditions (continued)

2.b The permittee has satisfied the "best available control techniques and operating practices" and "latest available control techniques and operating practices" required pursuant to OAC rules 3745-21-08 and 3745-23-06, respectively by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in Permit to Install 05-7314.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

II. Operational Restrictions

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

2. Best available technology (BAT) for this emissions unit shall be the use of low NOx burners.

III. Monitoring and/or Record Keeping Requirements

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

IV. Reporting Requirements

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

2. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirement is as stringent as or more stringent than the reporting requirement contained in Permit to Install No. 05-7314, issued on 5/1/96: A.IV.1. The reporting requirement contained in the above-referenced Permit to Install is subsumed into the reporting requirement of this operating permit, so that compliance with this requirement constitutes compliance with the underlying reporting requirement in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
0.0006 lb of SO2/mmBtu of actual heat input

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

If required, compliance with the SO2 emission limitation above shall be determined by emission testing performed in accordance with Methods 1 - 4 and 6 of 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation:
0.14 lb of NOx/mmBtu of actual heat input

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

If required, compliance with the NOx emission limitation above shall be determined in accordance with Methods 1 through 4 and 7 of 40 CFR, Part 60, Appendix A.

1.c Emission Limitation:
0.084 lb CO/mmBtu of actual heat input

Applicable Compliance Method:
The permittee may demonstrate compliance with the CO emission limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor, from AP-42, Table 1.4-1 (revised 7/98), of 84 lbs CO/mm cu. ft, and then dividing by the maximum heat input to the boiler (mmBtu/hr).

If required, compliance with the CO emission limitation above shall be determined in accordance with Methods 1 through 4 and 10 of 40 CFR, Part 60, Appendix A.

1.d Emission Limitation:
0.01 lb OC/mmBtu of actual heat input.

Applicable Compliance Method:
The permittee may demonstrate compliance with the OC emission limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor, from AP-42, Table 1.4-2 (revised 7/98), of 5.5 lbs OC/mm cu. ft, and then dividing by the maximum heat input to the boiler (mmBtu/hr).

If required, compliance with the OC emission limitation above shall be determined in accordance with Methods 1 through 4, 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

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

Applicable Compliance Method: The permittee may demonstrate compliance with this limitation by multiplying the maximum hourly natural gas consumption rate (mm cu. ft/hr) by the emission factor from AP-42, Table 1.4-2 (revised 7/98) of 1.9 lbs PE (filtrable)/mm cu. ft, and then dividing by the maximum heat input capacity of the boiler (mmBtu/hr).

If required, compliance with the PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(9).

1.f Emission Limitation: Visible emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method: If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR Part 60, Appedix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: SCALPING (P004)

Activity Description: SCALPING - SHARED CD AND STACK WITH P024

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
scalping EL-5, equipped with an enclosure and a baghouse	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	0.54 lb of particulate emissions (PE) per hour The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart DD.
	40 CFR, Part 60, Subpart DD	Visible PE from the stack shall not exceed 0% opacity. The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A).
	OAC rule 3745-17-07(A)	See section A.I.2.a.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The visible PE limitation specified by OAC rule 3745-17-07(A) is less stringent than the visible PE limitation required by 40 CFR, Part 60, Subpart DD.

2.b All the PE from this emissions unit shall be vented to the baghouse.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1, A.III.2, and A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

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

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1, A.IV.2, and A.IV.3. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a. Emission Limitation:
Visible PE from the stack shall not exceed 0% opacity.

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
0.54 lb/hr PE

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum production capacity (180 tons/hr) by the controlled emission factor of 0.0005 lb/ton, determined during the most recent emission testing that demonstrated the emissions unit was in compliance, dated February 21, 1996.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of this permit shall be used to determine compliance with the usage restriction above.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: HEADHOUSE (P005)

Activity Description: HEADHOUSE

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
headhouse-EL-4, equipped with an enclosure and a baghouse	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	The limitation of 3.0 lbs of particulate emissions (PE) per hour established by this rule is less stringent than the PE limitation specified by 40 CFR, Part 60, Subpart DD. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart DD.
	40 CFR, Part 60, Subpart DD	Visible PE from the stack shall not exceed 0% opacity. 0.01 gr PE/dscf
	OAC rule 3745-17-07(A)	See section A.I.2.a.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The visible PE limitation specified by OAC rule 3745-17-07(A) is less stringent than the visible PE limitation required by 40 CFR, Part 60, Subpart DD.

2.b All the PE from this emissions unit shall be vented to the baghouse.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 thru A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

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

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1, A.IV.2, and A.IV.3. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a. Emission Limitation:
Visible PE from the stack shall not exceed 0% opacity.

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
0.01 gr PE/dscf

Applicable Compliance Method:
Compliance with the allowable PE limitation shall be determined in accordance with the test results based on emission testing conducted in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of the permit for emissions unit P004 shall be used to determine compliance with the usage restriction above.

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 1 1/2 years after the issuance of the permit.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

If applicable, alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, Southwest District Office.

d. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southwest District Office.

V. Testing Requirements (continued)

3. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent-to-Test" notification to the Ohio EPA, Southwest District Office. 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, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: COLUMN GRAIN DRYER #1 (P006)

Activity Description: COLUMN GRAIN DRYER #1

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
column grain dryer EL-6, equipped with an enclosure	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	21.6 lbs of particulate emissions (PE) per hour (for emissions units P006 and P034, combined) The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(B) and 40 CFR, Part 60, Subpart DD.
	40 CFR, Part 60, Subpart DD	See A.II.1.
	OAC rule 3745-17-07(B)	Visible PE shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	The requirements specified by this rule are equivalent to the requirements established by 40 CFR, Part 60, Subpart DD.

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The permittee shall maintain dryer plate perforations less than or equal to 0.094 inch (2.4 mm) in diameter for this emissions unit.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible 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. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

2. The permittee shall maintain monthly records of the following information for emissions units P006 and P034, combined:

a. the amount of soybean material processed, in tons;

b. the number of hours of operation;

c. the average hourly amount of soybean material processed (a)/(b), in tons (average); and

d. the average hourly PE rate, in pounds, determined by multiplying the average hourly soybean material process rate, from section A.III.2.c above, by an emission factor of 0.117 lb PE/ton.*

* The PE emission factor is based upon data supplied by the manufacturer and an assumed 50% control efficiency for the enclosure.

3. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 thru A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (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 Southwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit quarterly deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods during which the average hourly PE rate, as determined in section A.III.3., did not comply with the allowable hourly PE limitation of 21.6 lbs. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 thrru A.IV.3. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
Visible PE shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3).

1.b Emission Limitation:
21.6 lbs/hr of PE (for emissions units P034 and P006, combined)

Applicable Compliance Method:
Compliance shall be determined by the record keeping requirements specified in section A.III.2 of the terms and conditions of this permit.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of the permit for emissions unit P004 shall be used to determine compliance with the usage restriction above.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: SCALPING & CRACKING (P007)

Activity Description: REMOVES FOREIGN MATERIAL BY PHYSICAL MEANS

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
cracking mills PR-1, equipped with a baghouse (P007)	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	0.41 lb of particulate emissions (PE) per hour
		Visible PE from the stack shall not exceed 10% opacity.
	OAC rule 3745-17-07(A)	See section A.I.2.a.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The visible PE limitation required by OAC rule 3745-17-07 is less stringent than the visible PE limitation required by OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 thru A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

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

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 thru A.IV.2. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
0.41 lb/hr PE

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum production capacity (122 tons/hr) by the controlled emission factor of 0.0022 lb/ton, determined during the most recent emission testing that demonstrated the emissions unit was in compliance, dated February 21, 1996.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible PE from the stack shall not exceed 10% opacity.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of the permit for emissions unit P004 shall be used to determine compliance with the usage restriction above.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: SECONDARY DEHULLING (#2 DUST COLLECTOR) (P008)

Activity Description: SECONDARY DEHULLING (#2 DUST COLLECTOR)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
secondary dehulling vents to building interior, equipped with a baghouse	OAC rule 3745-17-07(A)	Visible particulate emissions (PE) shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	13.6 lbs of PE/hr

2. Additional Terms and Conditions

2.a All the PE from this emissions unit shall be vented to the baghouse.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

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

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-230, issued on 10/13/88: A.III.1.and 2. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

2. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-230, issued on 10/13/88: A.IV.1. The reproting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
Visible PE form the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation:
13.6 lbs of PE/hr

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum production capacity (112.5 tons/hr) by the controlled emission factor of 0.003 lb/ton, determined during the most recent emission testing that demonstrated the primary dehulling (emissions unit P009) was in compliance, dated February 21, 1996.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: PRIMARY DEHULLING (#3 & #4 DUST COLLECTORS) (P009)

Activity Description: PRIMARY DEHULLING (#3 & #4 DUST COLLECTORS)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
primary dehulling (P009)	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	0.41 lb of particulate emissions (PE) per hour Visible PE from the stack shall not exceed 10% opacity.
	OAC rule 3745-17-07(A)	See section A.I.2.a.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The visible PE limitation required by OAC rule 3745-17-07 is less stringent than the visible PE limitation required by OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 thru A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

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

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 thru A.IV.2. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
0.41 lb/hr PE

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum production capacity (122 tons/hr) by the controlled emission factor of 0.003 lb/ton, determined during the most recent emission testing that demonstrated the emissions unit was in compliance, dated February 21, 1996.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible PE from the stack shall not exceed 10% opacity.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of the permit for emissions unit P004 shall be used to determine compliance with the usage restriction above.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: FLAKERS (P010)

Activity Description: FLAKER

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
flakers, equipped with cyclones (P010)	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	3.32 lbs of paticulate emissions (PE) per hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-17-07(A)	Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible 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. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

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

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 and 2. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (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 Ohio EPA, Southwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 and 2. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:
3.32 lbs/hr PE

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum production capacity (113.2 tons/hr) by the controlled emission factor of 0.009 lb/ton, determined during the most recent emission testing that demonstrated the emissions unit was in compliance, dated February 22, 1996.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

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

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of the permit for emissions unit P004 shall be used to determine compliance with the usage restriction above.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: HULL AND POD GRINDING (P011)

Activity Description: HULL AND POD GRINDING

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
hull and POD grinding, equipped with a baghouse (P011)	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	0.37 lb of particulate emissions (PE) per hour
		Visible PE from the stack shall not exceed 10% opacity.
	OAC rule 3745-17-07(A)	See section A.I.2.a.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a The visible PE limitation required by OAC rule 3745-17-07 is less stringent than the visible PE limitation required by OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 thru A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

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

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 thru A.IV.3. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
0.37 lb/hr PE

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum production capacity (8.1 tons/hr) by the controlled emission factor of 0.036 lb/ton, determined during the most recent emission testing that demonstrated the emissions unit was in compliance, dated February 21, 1996.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible PE from the stack shall not exceed 10% opacity.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of the permit for emissions unit P004 shall be used to determine compliance with the usage restriction above.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: CONDITIONER (P012)

Activity Description: CONDITIONER

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
conditioner, equipped with a cyclone (P012)	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	3.32 lbs of paticulate emissions (PE) per hour The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A).
	OAC rule 3745-17-07(A)	Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible 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. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

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

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 and 2. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (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 Ohio EPA, Southwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 and 2. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

V. Testing Requirements (continued)

1.a Emission Limitation:
3.32 lbs/hr PE

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum production capacity (113.2 tons/hr) by the controlled emission factor of 0.002 lb/ton, determined during the most recent emission testing that demonstrated the emissions unit was in compliance, dated February 22, 1996.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

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

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of the permit for emissions unit P004 shall be used to determine compliance with the usage restriction above.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MEAL GRINDING & SIFTING (P015)

Activity Description: MEAL GRINDING & SIFTING

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
meal grinding & sifting, equipped with a baghouse (P015)	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	1.33 lb particulate emission (PE) per hour Visible PE from the stack shall not exceed 10% opacity. See section A.I.2.a. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G).
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	See A.II.3.

2. Additional Terms and Conditions

2.a The organic compound (OC) emissions shall be no more than 50 tons per month, and 340 tons/rolling, 12-month summation (for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined).

The monitoring, record keeping, reporting and testing requirements for the OC emissions limitations above are contained in the terms and conditions of the permit for emissions unit P018. Therefore, no additional monitoring, record keeping, reporting and testing requirements are necessary to ensure compliance with OC emissions limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

3. 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).

III. Monitoring and/or Record Keeping Requirements

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

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

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

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall record and maintain each month the following information for this emissions unit:

a. the company name identification number for each liquid organic material employed; and

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

4. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

5. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 through A.III.4. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

IV. Reporting Requirements (continued)

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

3. The permittee shall submit quarterly deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all instances during which any photochemically reactive material was employed in this emissions unit. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c.

4. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

5. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 thru A.IV.4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
1.33 lbs/hr PE

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum production capacity (91 tons/hr) by the controlled emission factor of 0.0105 lb/ton, determined during the most recent emission testing that demonstrated the emissions unit was in compliance, dated February 22, 1996.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible PE from the stack shall not exceed 10% opacity.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of the permit for emissions unit P004 shall be used to determine compliance with the usage restriction above.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MEAL SCREENING (P016)

Activity Description: MEAL LOADOUT SCREEN AND SCALE HOPPER (DUST COLLECTOR 871)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
meal loadout screen and scale hopper (dust collector 871), equipped with a baghouse	OAC rule 3745-31-05(A)(3) (PTI 05-230)	1.13 lb particulate emissions (PE) per hour 2.98 tons PE per year The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-21-07(G).
	OAC rule 3745-17-07(A)	Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	See A.II.2.

2. Additional Terms and Conditions

2.a The organic compound (OC) emissions shall be no more than 50 tons per month, and 340 tons/rolling, 12-month summation (for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined).

The monitoring, record keeping, reporting and testing requirements for the OC emissions limitations above are contained in the terms and conditions of the permit for emissions unit P018. Therefore, no additional monitoring, record keeping, reporting and testing requirements are necessary to ensure compliance with OC emissions limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

II. Operational Restrictions (continued)

2. 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).

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall record and maintain each month the following information for this emissions unit:

a. the company name identification number for each liquid organic material employed; and

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

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-230, issued on 10/13/88: A.III.1 through A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

IV. Reporting Requirements (continued)

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

3. The permittee shall submit quarterly deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all instances during which any photochemically reactive material was employed in this emissions unit. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-230, issued on 10/13/88: A.IV.1 and A.IV.2. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
1.13 lbs/hr PE

Applicable Compliance Method:
Compliance may be determined by the following equation:

E = T x Ef x (1 - CE)

where,

E = PE rate, in pounds per hour;

T = maximum capacity, 200 tons per hour;

Ef = emission factor, 0.27 lb PE/ton (AP-42, Volume I, Fifth Edition, Table 9.11.1-1, 11/95); and

CE = operating control efficiency, assumed to be 99.9%.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b. Emission Limitation:
2.98 TPY PE

Applicable Compliance Method:
Compliance may be determined by the following equation:

E = [T x Ef x (1 - CE)]/2000

where,

E = PE rate, in tons/year;

T = maximum capacity, 945,000 tons per year;

Ef = emission factor, 0.27 lb PE/ton (AP-42, Volume I, Fifth Edition, Table 9.11.1-1, 11/95); and

CE = operating control efficiency, assumed to be 99.9%.

1.c Emission Limitation:
Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: VEGETABLE OIL EXTRACTION (P018)

Activity Description: VEGETABLE OIL EXTRACTION - INCLUDES ALL HEXANE EMISSIONS PRIOR TO REFINERY

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
vegetable oil extraction (P018)	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	50 tons organic compounds (OC) per month (for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined) 340 tons OC per rolling, 12-month summation (for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined) See sections A.II.1 and 2. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G) and 40 CFR, Part 63, Subpart GGGG.
	OAC rule 3745-21-07(G)	See A.II.3.
	40 CFR, Part 63, Subpart GGGG	The oilseed solvent loss factor shall not exceed 0.2 gallon per ton of soybean processed (effective April 12, 2004). The compliance ratio for hazardous air pollutants (HAP) shall not exceed 1.0 (effective April 12, 2004).

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

II. Operational Restrictions (continued)

2. The total hexane losses shall not exceed 0.04%, by weight, of the soybean throughput, based on a rolling, 12-month average.

3. 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).

III. Monitoring and/or Record Keeping Requirements

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

a. the company name identification number for each liquid organic material employed; and

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

2. The permittee shall maintain monthly records of the following information for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined:

a. the amount of hexane in the inventory at the beginning of each month, in tons;

b. the amount of hexane added to the inventory during each month, in tons;

c. the amount of hexane in the inventory at the end of each month, in tons;

d. the total amount of hexane lost from the hexane inventory for the month, in tons {(a - c) + b};

e. the rolling, 12-month hexane emissions, in tons;

f. the total amount of soybeans processed, in tons;

g. the rolling, 12-month soybean usage rates, in tons; and

h. the rolling, 12-month average hexane loss, in percent by weight of soybeans processed [(e/g) x 100%].

3. Pursuant to 40 CFR Subpart 63.2840, at the end of each operating month, the permittee shall calculate the compliance ratio, comparing the actual HAP loss to the allowable HAP loss, as calculated in the following equations (effective April 12, 2004) [if the compliance ratio is less than or equal to 1.00, the source is in compliance with the solvent and HAP emissions requirements for the previous operating month and/or rolling, 12-months]:

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

3.a The following equation (Equation 1 from Subpart 63.2840) shall be used to determine each monthly compliance ratio:

Compliance Ratio = actual HAP loss / allowable HAP loss

The above equation can also be expressed as a function of total solvent loss as shown in the following equation:

Compliance Ratio = (f) x (Actual Solvent Loss) / (0.64) x [(Oilseed) x (SLF)]

Where:

f = the weighted average volume fraction of HAP in the solvent received during the operating month, dimensionless

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

Actual Solvent Loss = gallons of actual solvent loss during the operating month

oilseed = tons of soybean processed during the operating month

SLF = the allowable solvent loss factor (gallons/ton) for soybean processing; 0.2 gallon/ton (Subpart 63.2840)

3.b Pursuant to 40 CFR Subpart 63.2840(b), after the source has processed the listed oilseed for 12 operating months, the permittee shall calculate the compliance ratio at the end of each calendar month for the previous 12 operating months per the following equation (Equation 2 from 40 CFR Subpart 63.2840):

Compliance Ratio = (f) x (Actual Solvent Loss) / (0.64) x [(Oilseed a x SLF) + (Oilseed b x SLF) + ... (Oilseed n x SLF)]

Where:

f = the weighted average volume fraction of HAP in the solvent received during the previous 12 operating months

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

Actual Solvent Loss = gallons of actual solvent loss during the previous 12 operating months

Oilseed a...n = tons of soybean processed during the previous 12 operating months

SLF = the allowable solvent loss factor (gallons/ton) for soybean processing; 0.2 gallon/ton (Subpart 63.2840)

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

4. Pursuant to 40 CFR Subpart 63.2853, at the end of each calendar month, the permittee shall determine the actual solvent loss, in gallons, for the previous operating month (effective April 12, 2004). The actual solvent loss for an operating month includes all solvent losses that occur during normal operating periods within the operating month. After 12 or more operating months have been documented, the permittee shall also determine the rolling, 12-month summation of actual solvent loss, in gallons, by summing the monthly actual solvent loss for the previous 12 operating months. To determine the actual solvent loss from an emissions unit, the permittee shall follow the procedures in the plan for demonstrating compliance. The permittee shall maintain monthly records of the following solvent inventory and usage for the emissions unit:

a. the dates that define each operating status period during a calendar month;

b. the emissions unit's operating status, categorized as described in Table 1 of Subpart 63.2853;

c. the beginning and ending solvent inventory (gallons of extraction solvent in the inventory on the first and last day of each normal operating period);

d. gallons of extraction solvent received, purchased, and recovered during the operating period;

e. solvent inventory adjustments with reasonable justification for the adjustment;

f. the total solvent loss for each calendar month, regardless of the operating status of the facility's emissions units covered by this standard;

g. the actual solvent loss, in gallons, for each operating month, calculated as follows:

Actual Solvent Loss (gal) = SOLVB - SOLVE + SOLVR +/- SOLVA

Where:

SOLVB = gallons of solvent in the inventory at the beginning of the operating month
SOLVE = gallons of solvent in the inventory at the end of the operating month

SOLVR = gallons of solvent received between the beginning and ending inventory dates of the operating month
SOLVA = gallons of solvent added or removed from the extraction solvent inventory during the operating month; and

h. beginning after the first 12 operating months, the rolling, 12-month summation of the actual solvent loss, in gallons.

5. In accordance with the procedures described in 40 CFR Subpart 63.2854, at the end of each calendar month, the permittee shall calculate the volume fraction of HAP in the extraction solvent as follows (effective April 12, 2004):

5.a Maintain a record of the volume fraction of each HAP comprising more than 1 percent by volume of the extraction solvent in each delivery of solvent, including solvent recovered from off-site oil, determined as follows:

i. EPA Method 311 of Appendix A of Part 63, a material safety data sheet, the manufacturer's certificate of analysis*, or an approved alternative method shall be used to determine the HAP content of each delivery of the extraction solvent (hexane); and/or

ii. the Administrator/Director may require a test using EPA Method 311 to confirm the reported HAP content in the extraction solvent.

* a certificate of analysis shall list the test method(s) and analytical results that determine the chemical properties of the solvent and the volume percentage of all HAP components present in the solvent, at quantities greater than 1 percent by volume

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

5.b Calculate the weighted average volume fraction of HAP in the extraction solvent each operating month:

i. the weighted average volume fraction of HAP for an operating month shall include all solvent received since the end of the last operating month, regardless of the operating status at the time of the delivery; and

ii. the monthly weighted average volume fraction of HAP shall be determined by summing the products of the HAP volume fraction of each delivery, and the volume of each delivery, and dividing the sum by the total volume of all deliveries as expressed in the following equation:

HAPavg = (Ra x Ca) + (Rb x Cb) +...(Rn x Cn) / (total received)

HAPavg = Monthly weighted average HAP content of extraction solvent (volume fraction)
Ra...n = gallons of extraction solvent received in each delivery a...n
Ca...n = the volume fraction of HAP in extraction solvent delivery a...n
total received = total gallons of extraction solvent received since the end of the previous operating month.

5.c After the facility has processed soybean oil for 12 operating months, calculate the volume fraction of HAP in the extraction solvent, as a weighted average, for the previous 12 operating months; calculated by summing the products of the monthly weighted average HAP volume fraction and corresponding volume of solvent received, and dividing by the total volume of solvent received for the 12 operating months, using the following formula:

HAPavg = (Ra x Ca) + (Rb x Cb) +...(Rn x Cn) / (total received)

HAPavg = 12-month weighted average HAP content of extraction solvent (volume fraction)
Ra...n = gallons of extraction solvent received in each delivery a...n
Ca...n = the volume fraction of HAP in extraction solvent delivery a...n
total received = total gallons of extraction solvent received during the previous 12 operating months.

6. In accordance with the procedures described in 40 CFR Subpart 63.2855, at the end of each calendar month, the permittee shall determine the quantity of oilseed processed, in tons, for the previous operating month (effective April 12, 2004). The quantity of oilseed processed shall be determined on an as received basis as defined in Subpart 63.2855. After 12 or more operating months have been documented, the permittee shall also determine the rolling, 12-month summation of the quantity of oilseed processed, in tons, by summing the monthly quantity of oilseed processed figures for the previous 12 operating months. To determine the quantity of oilseed processed, the permittee shall follow the procedures in the plan for demonstrating compliance. The permittee shall maintain monthly records of the following:

a. the dates that defines each operating status period during a calendar month;

b. the source operating status, categorized as described in Table 1 of Subpart 63.2853;

c. the beginning and ending inventory for each oilseed, (tons of oilseed in the inventory on the first and last day of each normal operating period);

d. the tons of each oilseed received;

e. oilseed inventory adjustments with reasonable justification for the adjustment;

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

f. the total quantity of each oilseed type processed during a normal operating periods recorded within a calendar month, calculated as follows:

Monthly Quantity of Each Oilseed Processed (tons) = SEEDB - SEEDE + SEEDR +/- SEEDA

Where:
SEEDB = tons of oilseed in the inventory at the beginning of normal operating month
SEEDE = tons of oilseed in the inventory at the end of normal operating month
SEEDR = tons of oilseed received during the operating month
SEEDA = tons of oilseed added or removed from the oilseed inventory during the operating month; and

g. the rolling, 12-month summation of the quantities of oilseed processed, in tons.

7. For each operating month, the permittee shall maintain records of the following information (effective April 12, 2004):

a. the gallons of extraction solvent received in each delivery;

b. the calculated volume fraction of HAP, as a weighted average, in the extraction solvent;

c. beginning after the first 12 operating months, the calculated volume fraction of HAP, as weighted average, in the extraction solvent for the previous 12 operating months;

d. the actual solvent loss, as calculated;

e. beginning after the first 12 operating months, the actual solvent loss, as calculated, for the previous 12 operating months;

f. the amount of soybean material processed, in tons;

g. beginning after the first 12 operating months, the rolling, 12-month summation of soybean material processed, in tons. Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative soybean throughput, in tons, for each calendar month;

h. the monthly compliance ratio;

i. beginning after the first 12 operating months, the compliance ratio for the previous 12 operating months; and

j. the oilseed solvent loss factor, i.e., (e) / (g).

8. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 thru A.III.7. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all instances during which any photochemically reactive material was employed in this emissions unit. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c.

IV. Reporting Requirements (continued)

2. The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all exceedances of the monthly and rolling, 12-month OC emission limitations of 50 tons and 340 tons, respectively;

b. all exceedances of the total hexane losses of 0.04%, by weight, of the soybean throughput;

c. all exceedances of the oilseed solvent loss factor of 0.2 gallon/ton of soybean processed; and

d. all exceedances of the compliance ratio for HAPs of 1.0.

These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c.

3. Prior to performing a significant modification as defined in Subpart 63.2872, the permittee must submit the following:

a. Pursuant to Subpart 63.2860(c), the permittee shall submit an initial notification to Ohio EPA Southwest District Office 30 days prior to initial startup of the significantly modified source. The initial notification must demonstrate that the proposed changes qualify as a significant modification, and include the following:

i. the expected startup date of the modified source; and

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

b. Pursuant to Subpart 63.2860(c), the permittee shall submit a notification of actual startup date within 15 days after initial startup of the modified source. The notification must include the following:

i. the initial startup date of the modified source;

ii. an indication whether you have elected to operate under an initial startup period subject to Subpart 63.2850(d)(2);

iii. the anticipated duration of any initial startup period; and

iv. a justification for the anticipated duration of any initial startup period.

IV. Reporting Requirements (continued)

4. Pursuant to 40 CFR Subpart 63.2860(d), the permittee shall submit a notification of compliance status to the Ohio EPA, Southwest District Office no later than 60 days after determining the initial 12 operating months compliance ratio. For existing sources, the notification shall be due no later than 50 calendar months after the effective date of these NESHAP or June 12, 2005. For new or modified sources, the notification shall be due no later than 20 calendar months after initial startup. It shall be signed by the official responsible for facility compliance, who shall certify its accuracy, attesting to whether the affected emissions units are in compliance. This notification shall include the following:

a. the name and address of the permittee;
b. the physical address of the vegetable oil production process;
c. each listed oilseed type processed during the previous 12 operating months;
d. each HAP identified under Subpart 63.2854(a), as being present in concentrations greater than 1 percent by volume, in each delivery of solvent received during the 12 operating months period used for the initial compliance determination;
e. a statement designating the source as a major source of HAP or a demonstration that the source qualifies as an area source; and
f. a compliance certification indicating whether the facility was in compliance with all of the requirements of this subpart, throughout the 12 operating months used for the initial compliance determination. This notification must include the following:

i. certification that the plan for demonstrating compliance (as described in Subpart 63.2851) and SSM plan (as described in Subpart 63.2852) are complete and available on-site for inspection;

ii. certification that procedures are being followed as described in the plan for demonstrating compliance; and

iii. certification that the compliance ratio is less than or equal to 1.00.

5. Pursuant to 40 CFR Subpart 63.2861(a), the permittee shall submit an annual compliance certification to the Ohio EPA, Southwest District Office 12 calendar months after the submission of the notification of compliance status. The annual compliance certification provides the compliance status for each operating month during the 12 calendar month period. The report shall be due 60 days after the end of each 12-month period. This notification shall include the following:

a. the name and address of the permittee;
b. the physical address of the vegetable oil production process;
c. each listed oilseed type processed during the 12 calendar months period covered by the report;
d. each HAP identified under Subpart 63.2854(a), as being present in concentrations greater than 1 percent by volume, in each delivery of extraction solvent received during the 12 calendar months period covered by the report
e. a statement designating the facility as a major source of HAP or a demonstration that the source qualifies as an area source; and
f. a compliance certification to indicate whether the facility was in compliance for each compliance determination made during the 12 calendar months period covered by the report, which shall include the following:

i. certification that the procedures described in the plan for demonstrating compliance have been followed during the reporting period; and

ii. certification that the compliance ratio was less than or equal to 1.00.

IV. Reporting Requirements (continued)

6. Pursuant to 40 CFR Subpart 63.2861(b), the permittee shall submit deviation notification reports, to Ohio EPA Southwest District Office, for each compliance determination in which the compliance ratio exceeds 1.00 (effective April 12, 2004). The deviation notification report shall be submitted by the end of the month following the calendar month in which it is determined the deviation occurred. This deviation report shall include the following:

a. the name and address of the permittee;
b. the physical address of the vegetable oil production process;
c. each listed oilseed type processed during the 12 operating months period in which the deviation occurred; and
d. the ratio comprising the deviation, as calculated in Section A.III.1.

7. Pursuant to 40 CFR Subpart 63.2861(c), if the permittee chooses to operate the emissions unit under an initial startup period subject to Subpart 63.2850(c)(2) or (d)(2) or a malfunction period subject to Subpart 63.2850(e)(2), the permittee shall submit a periodic Startup, Shutdown, and Malfunction (SSM) report, to Ohio EPA, Southwest District Office, by the end of the calendar month following each month in which the initial startup period or malfunction period occurred. The SSM report must include the following:

a. the name, title, and signature of a source's responsible official who is certifying that the report accurately states that all actions taken during the initial startup or malfunction period were consistent with the SSM plan;
b. a description of events occurring during the time period, the date and duration of the events, and reason the time interval qualifies as an initial startup period or malfunction period; and
c. an estimate of the solvent loss during the initial startup or malfunction period with supporting documentation.

8. Pursuant to 40 CFR Subpart 63.2861(d), the permittee shall submit an Immediate Startup, Shutdown, and Malfunction (SSM) report, to Ohio EPA Southwest, District Office, if a startup, shutdown, and/or malfunction event is not conducted as specified in the facility's SSM plan. The Immediate SSM report consists of a telephone call or facsimile transmission to Ohio EPA, Southwest District Office within 2 working days after starting actions inconsistent with the facility SSM plan, followed by a letter within 7 working days after the end of the event. The letter must include the following:

a. the name, title, and signature of a source's responsible official who is certifying the accuracy of the report, an explanation of the event, and the reasons for not following the SSM plan;
b. a description and date of the SSM event, its duration, and reason it qualifies as a SSM; and
c. an estimate of the solvent loss for the duration of the SSM event with supporting documentation.

9. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

10. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 thru A.IV.9. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

1. Compliance with the emission limitation in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method:

1.a Emission Limitation:
50 tons OC per month

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements established in section in A.III.2 of the terms and conditions of this permit.

V. Testing Requirements (continued)

1.b Emission Limitation:
340 tons OC per rolling, 12-month summation
(for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined).

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements established in section in A.III.2 of the terms and conditions of this permit.

1.c Emission Limitation:
The total hexane losses shall not exceed 0.04%, by weight, of the soybean throughput, based on a rolling, 12-month average.

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements established in section in A.III.2 of the terms and conditions of this permit.

1.d Emission Limitations:
The oilseed solvent loss factor shall not exceed 0.2 gallon per ton of soybean processed.

The compliance ratio for HAPs shall not exceed 1.0.

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements established in sections in A.III.3 and 4 of the terms and conditions of this permit.

VI. Miscellaneous Requirements

1. Pursuant to 40 CFR Subpart 63.2851(a), the permittee shall develop and implement a plan for demonstrating compliance that provides the detailed procedures that the permittee shall follow to monitor and record data necessary for demonstrating compliance with the 40 CFR Part 63, Subpart GGGG (effective April 12, 2004). This plan must include the items in Subpart 63.2851(a)(1) thru (7) as follows:

a. the name and address of the permittee;
b. the physical address of the vegetable oil production process;
c. a detailed description of all methods of measurement used to determine solvent losses, HAP content of solvent, and the tons of each type of oilseed processed;
d. when each measurement will be made;
e. examples of each calculation that will be used to determine compliance;
f. example logs of how data will be recorded; and
g. a plan to ensure that the data continue to meet compliance demonstration needs.

2. Pursuant to 40 CFR Subpart 63.2852, the permitttee shall develop a written startup, shutdown, and malfunction (SSM) plan and implement the plan, when applicable (effective April 12, 2004).

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: ASPIRATOR (P024)

Activity Description: ASPIRATOR - SHARED CD AND STACK WITH P004

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
aspirator, equipped with a cyclone and a baghouse (P024)	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	0.04 lb particulate emissions (PE) per hour Visible PE from the stack shall not exceed 10% opacity .
	OAC rule 3745-17-07(A)	The visible PE limitation specified by this rule is less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

None

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 thru A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

2. The permittee shall submit semiannual written reports that (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 Southwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

IV. Reporting Requirements (continued)

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 thru A.IV.3. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
0.04 lb/hr PE

Applicable Compliance Method:
If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.b Emission Limitation:
Visible PE from the stack shall not exceed 10% opacity.

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

1.c Usage Restriction:
945,000 tons of soybeans/rolling, 12-month summation

Applicable Compliance Method:
The record keeping requirements established in section A.III.1 of the permit for emissions unit P004 shall be used to determine compliance with the usage restriction above.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: DRYER/COOLER EX-2 (P030)

Activity Description: DRYER/COOLER EX-2

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
dryer/cooler EX-2 (P030)	OAC rule 3745-31-05(A)(3) (PTI 05-6134)	0.042 lb of particulate emissions (PE)/ton of meal 4.2 lbs of PE/hr 18.4 TPY of PE 3.15 lbs of PM10/hr 13.8 TPY of PM10 See section A.II.1. The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-07(G) and 3745-17-07(A).
	OAC rule 3745-17-07(A)	Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by the rule.
	OAC rule 3745-17-11(B)	The emission limitation specified by this rule is less stringent than the emission limitation specified by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	See section A.II.2.

2. Additional Terms and Conditions

2.a The organic compound (OC) emissions shall be no more than 50 tons per month, and 340 tons/rolling, 12-month summation (for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined).

The monitoring, record keeping, reporting and testing requirements for the OC emissions limitations above are contained in the terms and conditions of the permit for emissions unit P018. Therefore, no additional monitoring, record keeping, reporting and testing requirements are necessary to ensure compliance with OC emissions limitations.

II. Operational Restrictions

1. The amount of meal processed in this emissions unit shall not exceed 100 tons per hour.

2. 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).

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible 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. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

2. The permittee shall collect and record the following information each day for this emissions unit:

a. the amount of meal processed, in tons;

b. the total number of hours the emissions unit was in operation;

c. the average amount of meal processed (a/b), in tons per hour (average);

d. the average hourly PE rate, i.e., (c) x (0.03 lb/ton*), in pounds/hour (average);

e. the PE rate, i.e., (d/c), in pounds PE/ton of meal processed; and

f. the average hourly PM10 emissions rate, i.e., (d) x (0.60**), in pounds/hour (average).

* an emission factor determined during the most recent compliance demonstration performed on 9/26/94.

** 60% of the PE are assumed to be 10 micrometers in diameter or smaller

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

3. The permittee shall record and maintain each month the following information for this emissions unit:

a. the company name identification number for each liquid organic material employed; and

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

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-6134, issued on 09/22/93: A.III.1 through A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (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 Ohio EPA, Southwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all exceedances of the hourly amount of meal processed of 100 tons (average);

b. all exceedances of the hourly PE rate of 4.2 pounds;

c. all exceedances of the PE rate of 0.042/ton of meal processed; and

d. all exceedances of the hourly PM10 emissions rate of 3.15 pounds.

These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c.

3. The permittee shall submit quarterly deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all instances during which any photochemically reactive material was employed in this emissions unit. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-6134, issued on 9/22/93: A.IV.1 through A.IV.3. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
0.042 lb PE/ton meal

Applicable Compliance Method:
Compliance shall be determined through the record keeping requirements established in section A.III.2 of this permit.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation:
4.2 lbs of PE/hr

Applicable Compliance Method:
Compliance shall be determined through the record keeping requirements established in section A.III.2 of this permit.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.c Emission Limitation:
18.4 TPY of PE

Applicable Compliance Method:
As long as compliance with the hourly PE limitation is maintained, compliance with the annual PE limitation shall be assumed (the annual PE limitation was determined by multiplying the hourly PE limitation by 8760, and then dividing by 2000).

1.d Emission Limitation:
3.15 lbs of PM10/hr

Applicable Compliance Method:
Compliance shall be determined through the record keeping requirements established in section A.III.2 of this permit.

If required, compliance with the PM10 emission limitation shall be determined in accordance with Methods 201 or 202 of 40 CFR, Part 60, Appendix A.

1.e Emission Limitation:
13.8 TPY of PM10

Applicable Compliance Method:
As long as compliance with the hourly PM10 emissions limitation is maintained, compliance with the annual PM10 emissions limitation shall be assumed (the annual PM10 emissions limitation was determined by multiplying the hourly PM10 emissions limitation by 8760, and then dividing by 2000).

1.f Emission Limitation:
Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: VEGETABLE OIL REFINERY (P031)

Activity Description: VEGETABLE OIL REFINERY

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
vegetable oil refinery (P031)	OAC rule 3745-31-05(A)(3) (PTI #05-11781)	13.0 lbs volatile organic compounds (VOC) per hour (monthly average) 4.84 tons VOC per month The requirements of this rule also inlcude compliance with the requirements of OAC rules 3745-21-07(G) and 3745-31-05(D).
	OAC rule 3745-31-05(D) (PTI #05-11781)	VOC emissions shall not exceed 55.0 tons per rolling, 12-month summation.
	OAC rule 3745-21-07(G)	See section A.II.1.

2. Additional Terms and Conditions

None

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 maximum annual process rate for this emissions unit shall not exceed 550,000 tons of vegetable oil, based upon a rolling, 12-month summation of the monthly process rates.

III. Monitoring and/or Record Keeping Requirements

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

a. the company name identification number for each liquid organic material employed; and

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

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

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

a. the month and year;

b. the amount of in-house vegetable oil processed, in tons;

c. the amount of outside vegetable oil processed, in tons;

d. the amounts of in-house and outside vegetable oil processed, combined, in tons, i.e., (b + c);

e. the rolling, 12-month summation of the total amount of vegetable oil processed, in tons;

f. the average hexane content of the in-house vegetable oil (the average hexane content shall be determined from the analytical results required in section A.III.3 below), in ppm;

g. the average hexane content of the outside vegetable oil (the average hexane content shall be determined from the analytical results required in section A.III.4 below), in ppm;

h. the total VOC (hexane) emissions, in tons, i.e., [(b x f) + (c x g)]/1,000,000;

i. the rolling, 12-month summation of the VOC emissions, in tons;

j. the total number of hours of operation; and

k. the average hourly VOC emission rate, in pounds per hour (average), i.e., h/j.

3. On a daily basis, the permittee shall collect a representative sample of in-house oil processed through this emissions unit. At the end of each calendar month the daily samples shall be combined into a composite sample and analyzed to determine the average hexane content of the in-house oil using a gas chromatograph (GC). The test results shall be in parts per million (ppm). The GC shall be operated and maintained in accordance with the manufacturer's instructions.

4. The permittee shall collect a representative sample of each shipment of outside vegetable oil received for processing through this emissions unit. At the end of each calendar month, the daily samples shall be combined into a composite sample and analyzed to determine the average hexane content of the outside oil using a GC. The test results shall be in ppm. The GC shall be operated and maintained in accordance with the manufacturer's instructions.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports to the Director (Ohio EPA, Southwest District Office) that identify all instances during which any photochemically reactive material was employed in this emissions unit. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c. of this permit.

2. The permittee shall submit quarterly deviation (excursion) reports that identify alkl exceedances of the following:

a. the average hourly VOC emission limitation of 13.0 pounds;

b. the monthly VOC emission limitation of 4.84 tons;

c. the rolling, 12-month VOC emission limitation of 55.0 tons; and

d. the rolling, 12-month vegetable oil usage restriction of 550,000 tons.

These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c. of this permit.

V. Testing Requirements

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

1.a Emission Limitation:
13.0 lbs/hr VOC (average)

Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements established in section A.III.2 of this permit.

If required, the permittee shall demonstrate compliance in accordance with Methods 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

1.c Emission Limitation:
4.84 tons/month VOC

Applicable Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements established in section A.III.2 of this permit.

1.d Emission Limitation:
VOC emissions shall not exceed 55.0 tons per rolling, 12-month summation.

Compliance Method:
Compliance shall be demonstrated based upon the record keeping requirements established in section A.III.2 of this permit.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MEAL STORAGE TANK WEST (44%) (P032)

Activity Description: MEAL STORAGE TANK WEST (44%)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
meal storage tank west (44%), equipped with a baghouse	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	0.55 lb particulate emissions (PE) per hour Visible PE from the stack shall not exceed 10% opacity. See A.I.2.a and A.II.2. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G).
	OAC rule 3745-17-07(A)	The visible emission limitation specified by this rule is less stringent than the limitation specified by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation specified by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	See A.II.3.

2. Additional Terms and Conditions

2.a The organic compound (OC) emissions shall be no more than 50 tons per month, and 340 tons/rolling, 12-month summation (for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined).

The monitoring, record keeping, reporting and testing requirements for the OC emissions limitations above are contained in the terms and conditions of the permit for emissions unit P018. Therefore, no additional monitoring, record keeping, reporting and testing requirements are necessary to ensure compliance with OC emissions limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

3. 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).

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall record and maintain each month the following information for this emissions unit:

a. the company name identification number for each liquid organic material employed; and

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

4. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

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

5. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 through A.III.4. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

2. The permittee shall submit semiannual written reports that (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 Southwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

3. The permittee shall submit quarterly deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all instances during which any photochemically reactive material was employed in this emissions unit. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c.

4. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

5. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 through A.IV.4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitations:
0.55 lb PE per hour

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum capacity (120 tons/hr) by the emission factor of 0.27 lb PE/ton (from AP-42, Volume I, Fifth Edition, Table 9.11.1-1 (revised 11/95)), and then multiplying by a control factor of (1 - 0.999).*

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

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

1.b Emission Limitation:
Visible PE from the stack shall not exceed 10% opacity.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MEAL STORAGE TANK EAST (48%) (P033)

Activity Description: MEAL STORAGE TANK EAST (48%)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
meal storage tank east (48%), equipped with a baghouse	OAC rule 3745-31-05(A)(3) (PTI 05-7365)	0.55 lb (particulate emissions) PE per hour Visible PE from the stack shall not exceed 10% opacity. See A.I.2.a and A.II.2. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07(G).
	OAC rule 3745-17-07(A)	The visible emission limitation specified by this rule is less stringent than the limitation specified by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-11	The emission limitation specified by this rule is less stringent than the emission limitation specified by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-21-07(G)	See A.II.3.

2. Additional Terms and Conditions

2.a The organic compound (OC) emissions shall be no more than 50 tons per month, and 340 tons/rolling, 12-month summation (for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined).

The monitoring, record keeping, reporting and testing requirements for the OC emissions limitations above are contained in the terms and conditions of the permit for emissions unit P018. Therefore, no additional monitoring, record keeping, reporting and testing requirements are necessary to ensure compliance with OC emissions limitations.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while the emissions unit is in operation.

2. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

3. 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).

III. Monitoring and/or Record Keeping Requirements

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

3. The permittee shall record and maintain each month the following information for this emissions unit:

a. the company name identification number for each liquid organic material employed; and

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

4. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

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

5. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.III.1 through A.III.4. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit quarterly pressure drop deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above in section A.II.1. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

2. The permittee shall submit semiannual written reports that (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 Southwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

3. The permittee shall submit quarterly deviation (excursion) reports to the Director (the Ohio EPA, Southwest District Office) that identify all instances during which any photochemically reactive material was employed in this emissions unit. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c.

4. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

5. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-7365, issued on 11/1/95: A.IV.1 through A.IV.4. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitations:
0.55 lb PE per hour

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum capacity (120 tons/hr) by the emission factor of 0.27 lb PE/ton (from AP-42, Volume I, Fifth Edition, Table 9.11.1-1 (revised 11/95)), and then multiplying by a control factor of (1 - 0.999).*

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

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

1.b Emission Limitation:
Visible PE from the stack shall not exceed 10% opacity.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: COLUMN GRAIN DRYER #2 (P034)

Activity Description: COLUMN GRAIN DRYER #2

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
column grain dryer #2, with enclosure	OAC rule 3745-31-05(A)(3) (PTI 05-9010)	21.6 lbs particulate emissions (PE) per hour (for emissions units P006 and P034, combined) 56.7 tons PE as a rolling, 12-month summation (for emissions units P006 and P034, combined) 5.4 lbs PM10 per hour (for emissions units P006 and P034, combined) 14.18 tons PM10/rolling, 12-month summation (combined emissions limit for emissions units P006 and P034) Visible PE shall not exceed 10% opacity. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart DD.
	40 CFR, Part 60, Subpart DD	See A.I.2.a.
	OAC rule 3745-17-07(B)	The visible emission limitation specified by this rule is less stringent than the visible emission limitation established by OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B)	The requirements specified by this rule are equivalent to the requirements established by 40 CFR, Part 60, Subpart DD.

2. Additional Terms and Conditions

2.a The permittee shall maintain dryer plate perforations less than or equal to 0.094 inch (2.4 mm) in diameter for this emissions unit.

II. Operational Restrictions

1. The amount of soybeans processed through this emissions unit shall not exceed 945,000 tons per rolling, 12-month summation.

III. Monitoring and/or Record Keeping Requirements

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

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

For the purpose of this monitoring, the daily checks for visible fugitive particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

2. The permittee shall maintain monthly records of the following information for emissions units P006 and P034, combined:

a. the amount of soybean material processed, in tons;

b. the number of hours of operation;

c. the PE rate, in pounds, determined by multiplying the soybean material process rate, from section A.III.2.a above, by an emission factor of 0.117 lb PE/ton;*

d. the average hourly amount of soybean material processed (a)/(b), in tons (average);

e. the average hourly PE rate, in pounds, determined by multiplying the average hourly soybean material process rate, from section A.III.2.d above, by an emission factor of 0.117 lb PE/ton;*

f. the rolling, 12-month PE rate, in tons;

g. the average hourly PM10 emission rate, in pounds (e x 0.25);**

h. the monthly PM10 emission rate, in tons, by (c) x 0.25; and

i. the rolling, 12-month PM10 emissions rate, in tons.

* the PE factor is based upon data supplied by the manufacturer and an assumed 50% control efficiency for the enclosure/settling chamber

** based on the USEPA's AP-42, Volume I, Fifth Edition, Table 9.9.1-1 (revised 5/98), PM10 constitutes 25% of filterable PE

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

3. The permittee shall maintain monthly records of the following information for this emissions unit:

a. the amount of soybeans processed, in tons; and

b. the rolling, 12-month summation of the amount of soybeans processed, in tons.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-9010, issued on 12/03/97: A.III.1 thru A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (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 Ohio EPA, Southwest District Office by January 31 and July 31 of each year and shall cover the previous 6-month period.

2. The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all exceedances of the hourly and rolling, 12-month PE limitations of 21.6 pounds and 56.7 tons (for emissions units P006 and P034, combined), respectively; and

b. all exceedances of the hourly and rolling, 12-month PM10 emission limitations of 5.4 pounds and 14.18 tons (for emissions units P006 and P034, combined), respectively.

These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c

3. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month soybean processing limitation of 945,000 tons. These reports shall be due by the date specified in Part I - General Terms and Conditions A.1.c.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-9010, issued on 12/03/97: A.IV.1thru A.IV.3. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

1.a Emission Limitation:
21.6 lbs/hr of PE (for emissions units P034 and P006, combined)

Applicable Compliance Method:
Compliance shall be determined by the record keeping requirements specified in section A.III.2 of the terms and conditions of this permit.

If required, compliance with the PE limitation shall be determined in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

V. Testing Requirements (continued)

1.b Emission Limitation:
56.7 tons PE per rolling, 12-month summation (for emissions units P034 and P006, combined)

Applicable Compliance Method:
Compliance shall be determined by the record keeping requirements specified in section A.III.2 of the terms and conditions of this permit.

1.c Emission Limitation:
5.4 lbs/hr PM10 (for emissions units P034 and P006, combined)

Applicable Compliance Method:
Compliance shall be determined by the record keeping requirements specified in section A.III.2 of the terms and conditions of this permit.

If required, compliance with the PE limitation shall be determined in accordance with Methods 201 or 202 of 40 CFR, Part 60, Appendix A.

1.d Emission Limitation:
14.18 tons PM10 as a rolling, 12-month summation (for emissions units P034 and P006, combined)

Applicable Compliance Method:
Compliance shall be determined by the record keeping requirements specified in section A.III.2 of the terms and conditions of this permit.

1.e Emission Limitation:
Visible PE shall not exceed 10% opacity.

Applicable Compliance Method:
If required, compliance shall be determined by visible emission evaluations performed in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MEAL TRUCK LOADING (P901)

Activity Description: MEAL TRUCK LOADING

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
meal truck loading, equipped with enclosure and a baghouse	OAC rule 3745-31-05(A)(3) (PTI 05-230)	0.9 lb particulate emissions (PE) per hour [for emissions units P901 and P902, combined] 2.38 tons PE per year [for emissions units P901 and P902, combined] The requirements of this rule include compliance witht the requirements of OAC rules 3745-17-07(A) and (B), 3745-17-08(B), and 3745-21-07(G).
	OAC rule 3745-17-07(A)	Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)	See section A.II.1.
	OAC rule 3745-17-08(B)	See section A.I.2.a.
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(B)	Visible PE from fugitive dust shall not exceed 20% opacity, as a 3-minute average.

2. Additional Terms and Conditions

2.a The permittee shall employ reasonably available control measures that are sufficient to minimize or eliminate visible particulate emissions from this emissions unit. Such reasonably available control measures shall include an enclosure of the truck loading facility with the captured emissions vented to a baghouse.

2. Additional Terms and Conditions (continued)

2.b The organic compound (OC) emissions shall be no more than 50 tons per month, and 340 tons/rolling, 12-month summation (for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined).

The monitoring, record keeping, reporting and testing requirements for the OC emissions limitations above are contained in the terms and conditions of the permit for emissions unit P018. Therefore, no additional monitoring, record keeping, reporting and testing requirements are necessary to ensure compliance with OC emissions limitations.

2.c The 0.9 lb PE per hour limitation and the 2.38 tons PE per year limitation were established for PTI purposes to reflect potentials to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

II. Operational Restrictions

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

2. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from fugitive dust and/or the baghouse stack for 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 location and color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

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

a. the company name identification number for each liquid organic material employed; and

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

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

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-230, issued on 10/13/88: sections A.III.1 thru 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

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

2. The permittee shall submit quarterly deviation (excursion) reports to the Director (Ohio EPA, Southwest District Office) that identify all instances during which any photochemically reactive material was employed in this emissions unit. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c. of this permit.

3. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c. of this permit.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-230, issued on 10/13/88: section A.IV.1 thrugh 3. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

1. Compliance with the emission limitation in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method:

1.a Emission Limitation:
Visible PE from the stack shall not exceed 20% opacity, as 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation:
Visible PE from fugitive dust shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(3).

1.c Emission Limitation:
0.9 lb PE per hour [for emissions units P901 and P902, combined]

Applicable Compliance Method:
Compliance with the allowable PE limitation shall be determined in accordance with the results of emission testing conducted in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.d Emission Limitation:
2.38 tons PE per year [for emissions units P901 and P902, combined[

Applicable Compliance Method:
To determine the actual worst-case emission rate for PE, the following equation may be used:

Ea = 0.27* x U x [1 - (CE x RE)] / 2000 lbs per ton

where,

Ea = PE rate, in tons per year

U = maximum process throughput weight (tons/year) for emissions unit P901 and P902, combined

CE = capture efficiency of 97% (based upon manufacturer data)

RE = removal efficiency of 99.9% (based upon manufacturer data)

* The uncontrolled emission factor for meal loadout is 0.27 lb PE/ton of meal (based upon "Compilation of Air Pollutant Emission Factors," AP-42, Table 9.11.1-1, revised 11/95).

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 1 1/2 years after the issuance of the permit.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

If applicable, alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, Southwest District Office.

d. The tests shall be conducted while this emissions unit and emissions unit P902 are operating at or near their maximum capacities, unless otherwise specified or approved by the Ohio EPA, Southwest District Office.

V. Testing Requirements (continued)

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent-to-Test" notification to the Ohio EPA, Southwest District Office. 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, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: MEAL RAIL LOADING (P902)

Activity Description: MEAL RAIL LOADING

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
meal rail loading, equipped with enclosure and a baghouse	OAC rule 3745-31-05(A)(3) (PTI 05-230)	0.9 lb particulate emissions (PE) per hour [for emissions units P901 and P902, combined] 2.38 tons PE per year [for emissions units P901 and P902, combined] The requirements of this rule include compliance witht the requirements of OAC rules 3745-17-07(A) and (B), 3745-17-08(B), and 3745-21-07(G).
	OAC rule 3745-17-07(A)	Visible PE from the stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
	OAC rule 3745-21-07(G)	See section A.II.1.
	OAC rule 3745-17-08(B)	See section A.I.2.a.
	OAC rule 3745-17-11(B)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-07(B)	Visible PE from fugitive dust shall not exceed 20% opacity, as a 3-minute average.

2. Additional Terms and Conditions

2.a The permittee shall employ reasonably available control measures that are sufficient to minimize or eliminate visible particulate emissions from this emissions unit. Such reasonably available control measures shall include an enclosure of the truck loading facility with the captured emissions vented to a baghouse.

2. Additional Terms and Conditions (continued)

2.b The organic compound (OC) emissions shall be no more than 50 tons per month, and 340 tons/rolling, 12-month summation (for emissions units P015, P016, P018, P030, P032, P033, P901 and P902, combined).

The monitoring, record keeping, reporting and testing requirements for the OC emissions limitations above are contained in the terms and conditions of the permit for emissions unit P018. Therefore, no additional monitoring, record keeping, reporting and testing requirements are necessary to ensure compliance with OC emissions limitations.

2.c The 0.9 lb PE per hour limitation and the 2.38 tons PE per year limitation were established for PTI purposes to reflect potentials to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

II. Operational Restrictions

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

2. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from fugitive dust and/or the baghouse stack for 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 location and color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

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

a. the company name identification number for each liquid organic material employed; and

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

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

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-230, issued on 10/13/88: sections A.III.1 thru 3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

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

2. The permittee shall submit quarterly deviation (excursion) reports to the Director (Ohio EPA, Southwest District Office) that identify all instances during which any photochemically reactive material was employed in this emissions unit. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c. of this permit.

3. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c. of this permit.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-230, issued on 10/13/88: section A.IV.1 thrugh 3. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

1. Compliance with the emission limitation in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method:

1.a Emission Limitation:
Visible PE from the stack shall not exceed 20% opacity, as 6-minute average, except as provided by rule.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(1).

V. Testing Requirements (continued)

1.b Emission Limitation:
Visible PE from fugitive dust shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(3).

1.c Emission Limitation:
0.9 lb PE per hour [for emissions units P901 and P902, combined]

Applicable Compliance Method:
Compliance with the allowable PE limitation shall be determined in accordance with the results of emission testing conducted in accordance with Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

1.d Emission Limitation:
2.38 tons PE per year [for emissions units P901 and P902, combined[

Applicable Compliance Method:
To determine the actual worst-case emission rate for PE, the following equation may be used:

Ea = 0.27* x U x [1 - (CE x RE)] / 2000 lbs per ton

where,

Ea = PE rate, in tons per year

U = maximum process throughput weight (tons/year) for emissions unit P901 and P902, combined

CE = capture efficiency of 97% (based upon manufacturer data)

RE = removal efficiency of 99.9% (based upon manufacturer data)

* The uncontrolled emission factor for meal loadout is 0.27 lb PE/ton of meal (based upon "Compilation of Air Pollutant Emission Factors," AP-42, Table 9.11.1-1, revised 11/95).

2. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

a. The emission testing shall be conducted within 1 1/2 years after the issuance of the permit.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PE.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rate for PE: Methods 1 - 5 of 40 CFR, Part 60, Appendix A.

If applicable, alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA, Southwest District Office.

d. The tests shall be conducted while this emissions unit and emissions unit P901 are operating at or near their maximum capacities, unless otherwise specified or approved by the Ohio EPA, Southwest District Office.

V. Testing Requirements (continued)

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent-to-Test" notification to the Ohio EPA, Southwest District Office. 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, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office 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 Ohio EPA, Southwest District Office.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: TRUCK RECEIVING (P903)

Activity Description: TRUCK RECEIVING

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
truck receiving, equipped with enclosure and baghouse	OAC rule 3745-31-05(A)(3) (PTI 05-206)	The requirements of this rule are equivalent to the requirements specified by OAC rules 3745-17-07(A) and (B), 3745-17-08(B), 3745-17-11(B), and 40 CFR, Part 60, Subpart DD.
	OAC rule 3745-17-07(A)	The visible particulate emissions (PE) limitation specified by this rule is less stringent than the visible PE limitation established pursuant to 40 CFR, part 60, Subpart DD.
	OAC rule 3745-17-08(B)	See section A.I.2.a.
	OAC rule 3745-17-11(B)	PE shall not exceed 3.38 pounds per hour.
	OAC rule 3745-17-07(B)	The visible PE limitation specified by this rule is less stringent than the limitation established pursuant to 40 CFR, Part 60, Subpart DD.
	40 CFR, Part 60, Subpart DD	Visible PE from fugitive dust shall not exceed 5% opacity. Visible PE from the stack shall not exceed 0% opacity. The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-17-11(B).

2. Additional Terms and Conditions

2.a The permittee shall employ reasonably available control measures that are sufficient to minimize or eliminate visible particulate emissions from this emissions unit. Such reasonably available control measures shall include an enclosure of the truck receiving facility with the captured emissions vented to a baghouse.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from fugitive dust and/or the baghouse stack for 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 location and color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-206, issued on 10/13/88: sections A.III.1 and 2. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

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

2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c. of this permit.

IV. Reporting Requirements (continued)

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-206, issued on 10/13/88: section A.IV.1 and 2. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

1. Compliance with the emission limitation in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method:

1.a Emission Limitation:
Visible PE shall not exceed 0% opacity from the stack.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.b Emission Limitation:
Visible PE shall not exceed 5% opacity from fugitive dust.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.c Emission Limitation:
3.38 lbs PE per hour [for emissions units P903 and P904, combined]

Applicable Compliance Method:
To determine the actual worst-case emission rate for PE, the following equation may be used:

E = 0.15* x U x [1 - (CE x RE)]

where,

E = PE rate, in pounds per hour

U = maximum process throughput weight of 112.5 tons [for emissions units P903 and P904, combined]

CE = capture efficiency of 95% (based upon manufacturer data)

RE = removal efficiency of 99.9% (based upon manufacturer data)

* The uncontrolled emission factor for meal loadout is 0.15 lb PE/ton of meal (based upon "Compilation of Air Pollutant Emission Factors," AP-42, Table 9.11.1-1, revised 11/95).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 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.

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: RAIL RECEIVING (P904)

Activity Description: RAIL RECEIVING

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
rail car receiving, equipped with enclosure and a baghouse	OAC rule 3745-31-05(A)(3) (PTI 05-206)	The requirements of this rule are equivalent to the requirements specified by OAC rules 3745-17-07(A) and (B), 3745-17-08(B), 3745-17-11(B), and 40 CFR, Part 60, Subpart DD.
	OAC rule 3745-17-07(A)	The visible particulate emissions (PE) limitation specified by this rule is less stringent than the visible PE limitation established pursuant to 40 CFR, part 60, Subpart DD.
	OAC rule 3745-17-08(B)	See section A.I.2.a.
	OAC rule 3745-17-11(B)	PE shall not exceed 3.38 pounds per hour.
	OAC rule 3745-17-07(B)	The visible PE limitation specified by this rule is less stringent than the limitation established pursuant to 40 CFR, Part 60, Subpart DD.
	40 CFR, Part 60, Subpart DD	Visible PE from fugitive dust shall not exceed 5% opacity. Visible PE from the stack shall not exceed 0% opacity. The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-17-11(B).

2. Additional Terms and Conditions

2.a The permittee shall employ reasonably available control measures that are sufficient to minimize or eliminate visible particulate emissions from this emissions unit. Such reasonably available control measures shall include an enclosure of the truck receiving facility with the captured emissions vented to a baghouse.

II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 to 10 inches of water while this emissions unit is in operation.

III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from fugitive dust and/or the baghouse stack for 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 location and color of the emissions;
b. the cause of the visible emissions;
c. the total duration of any visible emission incident; and
d. any corrective actions taken to eliminate the visible emissions.

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of visual observations from daily to weekly readings for this emissions unit if for 2 full quarters the facility's visual observations indicate no visible emissions.

The permittee shall revert to daily readings if any visible emissions are observed.

For the purpose of this monitoring, the daily checks for visible particulate emissions are not required to be conducted in accordance with Method 9 of 40 CFR, Part 60, Appendix A.

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

Notwithstanding the frequency of the monitoring requirements specified in this section, the permittee may reduce the frequency of recording the pressure drop across the baghouse associated with this emissions unit from daily to weekly recordings if for 2 full quarters records indicate no pressure drop deviations occurred.

The permittee shall revert to daily pressure drop recordings if any pressure drop deviations occur.

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-206, issued on 10/13/88: sections A.III.1 and 2. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

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

2. The permittee shall submit quarterly pressure drop deviation (excursion) reports that identify that all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above. These reports shall be due by the dates specific in Part I - General Terms and Conditions A.1.c. of this permit.

IV. Reporting Requirements (continued)

3. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-206, issued on 10/13/88: section A.IV.1 and 2. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

1. Compliance with the emission limitation in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method:

1.a Emission Limitation:
Visible PE shall not exceed 0% opacity from the stack.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.b Emission Limitation:
Visible PE shall not exceed 5% opacity from fugitive dust.

Applicable Compliance Method:
If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

1.c Emission Limitation:
3.38 lbs PE per hour [for emissions units P903 and P904, combined]

Applicable Compliance Method:
To determine the actual worst-case emission rate for PE, the following equation may be used:

E = 0.15* x U x [1 - (CE x RE)]

where,

E = PE rate, in pounds per hour

U = maximum process throughput weight of 112.5 tons [for emissions units P903 and P904, combined]

CE = capture efficiency of 95% (based upon manufacturer data)

RE = removal efficiency of 99.9% (based upon manufacturer data)

* The uncontrolled emission factor for meal loadout is 0.15 lb PE/ton of meal (based upon "Compilation of Air Pollutant Emission Factors," AP-42, Table 9.11.1-1, revised 11/95).

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 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.

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: HEXANE TANK #85 (T002)

Activity Description: HEXANE TANK #85, UNDERGROUND HEXANE STORAGE - EMISSIONS INCLUDED IN P018

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
20,000-gallon underground hexane storage tank #85, equipped with submerged fill	OAC rule 3745-31-05(A)(3) (PTI 05-5816)	1.63 tons/year of volatile organic compounds (VOC) The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart Kb and OAC rule 3745-21-09(L).
	OAC rule 3745-21-09(L)	Exempt, see section A.I.2.a.
	40 CFR Part 60, Subpart Kb	See section A.II.1.

2. Additional Terms and Conditions

2.a. In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

1. The permittee shall maintain the maximum true vapor pressure of the volatile organic liquid (VOL) stored in this emissions unit at less than 27.6 kPa.

III. Monitoring and/or Record Keeping Requirements

1. In accordance with 40 CFR 60.116b(a) and (b), the permittee shall keep readily accessible the following records for this emissions unit of the following information:

a. the dimension of the storage vessel; and

b. an analysis showing the capacity of the storage vessel.

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

2. In accordance with 40 CFR 60.116b(c), the permittee shall maintain the following records for this emissions unit:

a. the type of VOL stored,

b. the period of storage; and

c. the maximum true vapor pressure of the VOL, in Kpa,, during the respective storage period.

3. The permittee shall maintain monthly records of the throughput, in gallons, for this emissions unit, including any recycled hexane.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-5816, issued on 03/31/93: A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. In accordance with 40 CFR 60.116b(d), the permittee shall notify the Ohio EPA, Southwest District Office within 30 days when the maximum true vapor pressure of the VOL exceeds the maximum true vapor pressure value of 27.6 kPa.

2. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-5816, issued on 03/31/93: A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

Emissions Limitation:
1.63 tons/year of VOC

Applicable Compliance Method:
Compliance may be determined by multiplying the VOC emission factor of 5.6 lbs/1000 gallon throughput (from AP-42, section 4.3-8, equation 2 (revised 9/85)) by the total annual throughput (calculated by summing the 12 monthly throughputs for the calendar year), and then dividing by 2000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: HEXANE TANK #86 (T003)

Activity Description: HEXANE TANK #86 - EMISSIONS INCLUDED IN P018

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
20,000-gallon underground hexane storage tank #86, equipped with submerged fill	OAC rule 3745-31-05(A)(3) (PTI 05-5816)	1.63 tons/year of volatile organic compounds (VOC) The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart Kb and OAC rule 3745-21-09(L).
	OAC rule 3745-21-09(L)	Exempt, see section A.I.2.a.
	40 CFR Part 60, Subpart Kb	See section A.II.1.

2. Additional Terms and Conditions

2.a. In accordance with OAC rule 3745-21-09(L)(2), this storage tank is exempt from the requirements of OAC rule 3745-21-09(L)(1) because the tank has a capacity of less than 40,000 gallons.

II. Operational Restrictions

1. The permittee shall maintain the maximum true vapor pressure of the volatile organic liquid (VOL) stored in this emissions unit at less than 27.6 kPa.

III. Monitoring and/or Record Keeping Requirements

1. In accordance with 40 CFR 60.116b(a) and (b), the permittee shall keep readily accessible the following records for this emissions unit of the following information:

a. the dimension of the storage vessel; and

b. an analysis showing the capacity of the storage vessel.

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

2. In accordance with 40 CFR 60.116b(c), the permittee shall maintain the following records for this emissions unit:

a. the type of VOL stored,

b. the period of storage; and

c. the maximum true vapor pressure of the VOL, in Kpa,, during the respective storage period.

3. The permittee shall maintain monthly records of the throughput, in gallons, for this emissions unit, including any recycled hexane.

4. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following monitoring and record keeping requirements are as stringent as or more stringent than the monitoring and record keeping requirements contained in Permit to Install No. 05-5816, issued on 03/31/93: A.III.3. The monitoring and record keeping requirements contained in the above-referenced Permit to Install are subsumed into the monitoring and record keeping requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying monitoring and record keeping requirements in the Pemit to Install.

IV. Reporting Requirements

1. In accordance with 40 CFR 60.116b(d), the permittee shall notify the Ohio EPA, Southwest District Office within 30 days when the maximum true vapor pressure of the VOL exceeds the maximum true vapor pressure value of 27.6 kPa.

2. Pursuant to OAC rule 3745-77-07(A)(3)(a)(ii), the following reporting requirements are as stringent as or more stringent than the reporting requirements contained in Permit to Install No. 05-5816, issued on 03/31/93: A.IV.1. The reporting requirements contained in the above-referenced Permit to Install are subsumed into the reporting requirements of this operating permit, so that compliance with these requirements constitutes compliance with the underlying reporting requirements in the Pemit to Install.

V. Testing Requirements

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

Emissions Limitation:
1.63 tons/year of VOC

Applicable Compliance Method:
Compliance may be determined by multiplying the VOC emission factor of 5.6 lbs/1000 gallon throughput (from AP-42, section 4.3-8, equation 2 (revised 9/85)) by the total annual throughput (calculated by summing the 12 monthly throughputs for the calendar year), and then dividing by 2000.

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

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

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

****

THIS IS THE LAST PAGE OF THE PERMIT

****