Ohio Environmental Protection Agency

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director

5/26/2010

Pamela Blakley *Via E-Mail Notification*
United States Environmental Protection Agency
Mail Code: AR-18J
77 West Jackson Blvd.
Chicago, IL 60604-3507

RE: PROPOSED AIR POLLUTION TITLE V PERMIT
Facility Name: ADM-Fostoria
Facility ID: 0332020187
Permit Type: Renewal
Permit Number: P0087133

Dear Ms. Blakley:

A proposed OAC Chapter 3745-77 Title V permit for the referenced facility has been issued for review by U.S. EPA. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.ohio.gov/dapc in Microsoft Word and Adobe Acrobat format. If U.S. EPA does not object to this proposed permit, the permit will be processed for issuance as a final action not less than 45 days from the date of this letter. Please contact me at (614) 644-3631 by the end of the 45 day review period if you wish to object to the proposed permit.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA DAPC, Northwest District Office

50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

614 | 644 3020
614 | 644 3184 (fax)
www.epa.ohio.gov

Ohio | Environmental Protection Agency

PROPOSED

Division of Air Pollution Control
Title V Permit
for
ADM-Fostoria

Facility ID: 0332020187
Permit Number: P0087133
Permit Type: Renewal
Issued: 5/26/2010
Effective: To be entered upon final issuance
Expiration: To be entered upon final issuance

Ohio Environmental Protection Agency

Division of Air Pollution Control
Title V Permit
for
ADM-Fostoria

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Authorization

Facility ID: 0332020187
Facility Description: Soybean Oil Mill
Application Number(s): A0018046, A0018047, A0018048, A0018049, A0018050, A0018051, A0018052, A0039573
Permit Number: P0087133
Permit Description: Title V renewal permit
Permit Type: Renewal
Issue Date: 5/26/2010
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number: P0087132

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

ADM-Fostoria
608 Findlay Road
Fostoria, OH 44830

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

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

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. 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. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Ohio EPA DAPC, Northwest District Office. 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, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(Authority for term: ORC 3704.036(A))

2. 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 (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

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

(2) The date(s) analyses were performed.

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

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) 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:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

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 OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) 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. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) 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))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Ohio EPA DAPC, Northwest District Office.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance 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). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. 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))

5. 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))

6. 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))

7. 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 Standard Term and Condition A.11 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.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in

OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.
(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. 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))

9. 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))

10. 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 standard terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

11. 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))

12. 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))

13. 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:

(1) 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.

(2) 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.

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

(4) 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:

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

(2) 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:

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

(2) 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.

(3) 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))

14. 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))

15. 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))

16. 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))

17. 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 emissions 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.
(Authority for term: OAC rule 3745-77-07(I))

18. 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.)

19. Insignificant Activities or Emissions Levels

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

20. 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))

21. 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))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only

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 (i.e., postmarked) quarterly, 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.)

25. Records Retention Requirements Under State Law Only

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.

26. 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.
(Authority for term: OAC rule 3745-77-07(C))

27. 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).

28. 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.
(Authority for term: OAC rule 3745-77-01(C))

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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 (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) B.4

2. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, and well as any emission limitations and/or control requirements contained within the identified permit to install for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirements contained in a permit to install or in the SIP-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

   a) F006 - Pellet Load-out Tanks (PTI 03-13053)
   b) L001 - Cold Cleaner Parts Washer

3. The following emissions unit(s) contained in this permit are subject to 40 CFR, Part 63, Subpart GGGG: P013. The complete MACT requirements, including the MACT General Provisions may be accessed via the Internet from the Electronic Code of Federal Regulations (e-CFR) website http://www.ecfr.gpoaccess.gov or by contacting the appropriate Ohio EPA District office or local air agency.

4. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirement (as defined in OAC rule 3745-77-01(H)) or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

   a) F009 - 120 ton hull storage bin
   b) F010 - 80 ton hull storage bin
   c) F011 - 600 ton meal storage bin
   d) F012 - Clay storage bin
   e) F013 - Pellet storage tank
   f) F014 - Paved roads
   g) F015 - Concrete storage silos for beans
   h) P023 - 1000 ton meal storage bin - with small induced-draft bin filter
   i) P024 - Central vacuum for soybean elevators
   j) P025 - Cooling towers
   k) T003 - (North) Storage tank for hexane
   l) T004 - (South) Storage tank for hexane
   m) T005 - Storage tank for #2 or #6 fuel oil

C. Emissions Unit Terms and Conditions

1. B004, #2 Boiler

Operations, Property and/or Equipment Description:

Boiler 2 - 69 mmBtu/hr - natural gas / number 2 fuel oil / number 6 fuel oil / vegetable oil 'biofuel'

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a) (PTI P0105829 issued February 9, 2010)	0.37 lb nitrogen oxides (NO_X) /mmBtu of actual heat input 0.084 lb carbon monoxide (CO) /mmBtu of actual heat input 0.11 lb particulate emissions (PE) /mmBtu of actual heat input (when firing No. 6 fuel oil or biofuel) 0.10 lb particulate matter (filterable) 10 microns or less (PM_{10}) /mmBtu of actual heat input (when firing No. 6 fuel oil or biofuel) 0.0079 lb PM_{10} (filterable) /mmBtu of actual heat input (when firing No. 2 fuel oil or natural gas) See b)(2)b and b)(2)c.
b.	OAC rule 3745-31-05(D)	39.0 tons NO_X per rolling, 12-month period [See b)(2)a.] 39.0 tons SO_2 per rolling, 12-month period [See b)(2)a.] 24.9 tons of PE per rolling, 12-month period [See b)(2)a] 9.9 tons of PM_{10} per rolling, 12-month

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		period [See b)(2)a]
c.	OAC rule 3745-17-10 (B)(1)	0.020 lb particulate emissions (PE) /mmBtu of actual heat input (when firing natural gas and/or No. 2 fuel oil) [See b)(2)c.]
d.	OAC rule 3745-17-10 (C)(2)	See b)(2)d.
e.	OAC rule 3745-18-06(D)	1.6 lb sulfur dioxide (SO_2) /mmBtu of actual heat input
f.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.
g.	40 CFR 63.52(a)(2)	See b)(2)e.

(2) Additional Terms and Conditions

a. This permit establishes the federally enforceable emission limitations in b)(1)b for purposes of establishing the emissions unit as a minor modification for attainment New Source Review. The emission limitations are based on fuel usage restrictions [see c)(3)] for the purpose of establishing federally enforceable limitations to avoid "Prevention of Significant Deterioration" (PSD) applicability.

b. The requirements of OAC rule 3745-31-05(A)(3) also include compliance with the requirements of OAC rules 3745-17-07(A), 3745-17-10(B)(1), 3745-18-06(D), and 3745-31-05(D).

c. The emission limitation established pursuant to OAC rule 3745-31-05(A)(3)(a) defers to the emissions limitation specified by OAC 3745-17-10 (B)(1).

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

e. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The permittee shall only burn natural gas, fuel oil number 2, fuel oil number 6, or biofuel in this emissions unit.
[OAC 3745-77-07(A)(1) and PTI P0105829]

(2) The fuel oil number 2 combusted in this emissions unit shall only be fuel oil number 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils".
[OAC 3745-77-07(A)(1) and PTI P0105829]

(3) The fuel oil number 6 combusted in this emissions unit shall only be fuel oil number 6, as defined by the American Society for Testing and Materials in ASTM D396-78, "Standard Specification for Fuel Oils" and shall meet the following requirements: the fuel oil number 6 shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission standard specified in OAC 3745-18-06(D).
[OAC 3745-77-07(A)(1) and PTI P0105829]

(4) The maximum rolling, 12-month quantity of fuel burned in this emissions unit shall be limited by the following equation. The criteria of the limiting equation must be met for NO_X SO_2, PE, and PM_{10} (meaning the calculated results for NO_X, SO_2, PE, and PM_{10} must not exceed 39.0, 39.0, 24.9, and 9.9 tons, respectively).

$$\sum_{M=1}^{12} \sum_{n} [(U_n)(C_n)\ (1\ \text{ton}/2000\ \text{lbs})] \leq \text{EMT}$$

where:

M = the increment of the rolling 12-month period;
n = the increment of the fuel usage input during the period;

U_n = total fuel usage, cubic feet of natural gas, gallons or mmBtu heat input of oil, for each individual fuel type in the units of the factor applied, for: natural gas, fuel oil number 2, fuel oil number 6, biofuel

C_n = emission factor for the individual fuel:

0.20 lb NO_X /mmBtu (biofuel)
0.10 lb NO_X /mmcf of natural gas
0.15 lb NO_X /mmBtu (fuel oil number 2)
0.37 lb NO_X /mmBtu (fuel oil number 6)

0.0015 lb SO_2 /mmBtu (biofuel)
0.6 lb SO_2 /mmcf of natural gas
142(S*) lbs SO_2 /1000 gallons of fuel oil number 2
157(S*) lbs SO_2 /1000 gallons of fuel oil number 6

1.9 lbs PE/mmcf of natural gas
16.5** lbs PE/1000 gallons of fuel oil number 6
2 lbs PE/1000 gallons of fuel oil number 2
0.07 lbs PE/mmBtu (biofuel)

1.9 lbs PM_{10} (filterable) /mmcf of natural gas
14.3*** lbs PM_{10} (filterable) /1000 gallons of fuel oil number 6
1.1 lbs PM_{10} (filterable) /1000 gallons of fuel oil number 2
0.07 lbs PM_{10} (filterable) /mmBtu (biofuel)****

* S = sulfur content, weight percent

** This emissions factor will be acceptable as a 'worst-case' for PE, based on a fuel oil sulfur content at the SO_2 emissions standard of OAC 3745-18-06(D) [at typical density and heat content]. In the case of fuel oil sulfur content less than permit limitation, an emission factor less than specified here will be allowed, based on the AP-42 formula: 9.19(S)+3.22, Table 1.3-1.

*** This emissions factor will be acceptable as a 'worst-case' for PM_{10}, based on a fuel oil sulfur content at the SO_2 emissions standard of OAC 3745-18-06(D) [at typical density and heat content]. In the case of fuel oil sulfur content less than permit limitation, an emission factor less than specified here will be allowed, based on the AP-42 formula: 7.17 [1.12(S) + 0.37], Table 1.3-5.

**** For biofuel, the 'total' PE (filterable) emissions factor shall be used as a conservative emissions factor for PM_{10} (filterable), due to lack of particle size distribution information being available.

EMT = emission thresholds:
39.0 tons for NO_X; 39.0 tons for SO_2; 24.9 tons for PE; 9.9 tons of PM_{10}

Emission factors other than those indicated above may be used with prior approval from the Ohio EPA, Northwest District Office.
[OAC 3745-77-07(A)(1) and PTI P0105829]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, fuel oil number 2, fuel oil number 6, or biofuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
[OAC 3745-77-07(C)(1) and PTI P0105829]

(2) For each shipment of fuel oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the fuel oil type (number 2, 4, or 6), the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745 18 04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as D240, “Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter” and D4294, “Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry”, or equivalent methods as approved by the Director.
[OAC 3745-77-07(C)(1) and PTI P0105829]

(3) In lieu of d)(2) for No. 2 oil, the permittee may keep records of fuel oil supplier certification, which shall include the following information:

a. The name of the oil supplier.

b. A statement from the oil supplier that the oil complies with the specifications under the definition of 'distillate oil' in 40 CFR 60.41c.

c. The sulfur content of the oil.
[OAC 3745-77-07(C)(1) and PTI P0105829]

(4) When burning #6 fuel oil, the permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
[OAC 3745-77-07(C)(1) and PTI P0105829]

(5) The permittee shall maintain monthly records of the following information:

a. the quantity of each individual fuel burned (natural gas in mmcf, oils in gallons);

b. the rolling 12-month summation of the usage rates for each individual fuel burned (natural gas in mmcf, oils in gallons);

c. the total NO_X emissions from each fuel burned, calculated as follows:

$E_N = (U_n)(C_n)$ (1ton /2000 lbs) where:

$E_N = NO_X$ emissions from an individual fuel burned, in tons

U_n = total heat input (mmBtu) of the individual fuel - natural gas, fuel oil number 2, fuel oil number 6, biofuel

C_n = emission factor for the individual fuel in lbs NO_X/mmBtu

d. The total NO_X emission rate of all fuels burned, in tons/month, calculated as follows:

$EM_N = E_1 + E_2 + E_3 + \ldots + E_n$ where:

EM_N = Monthly NO_X emissions, in tons/month

E_n = NO_X emissions from each individual fuel burned, in tons [from d)(5)c]

e. The rolling 12-month NO_X emission rate of all fuels burned, calculated as follows:

ET_N = EM1 + EM2 + EM3 + ... +EM12 where:

ET_N = Annual NO_X emissions (tons) as summed from the previous 12 months of monthly NO_X emissions;

EM = Monthly NO_X emissions (tons/month)

f. The total SO_2 emissions from each fuel burned, calculated as follows:

$E_S = (U_n)(C_n)$ (1ton /2000 lbs) where:

E_S = SO_2 emissions from an individual fuel burned, in tons

U_n = for natural gas and vegetable oil, the total heat input (mmBtu) of each individual fuel;

C_n = emission factor for the individual fuel in lbs SO_2 /mmBtu (for natural gas and vegetable oil) or lbs SO_2 /gal (for fuel oil number 2 and fuel oil number 6)

g. The total SO_2 emission rate of all fuels burned, in tons/month, calculated as follows:

$EM_S = E_1 + E_2 + E_3 + \ldots + E_n$ where:

EM_S = Monthly SO_2 emissions, in tons/month

E_n = SO_2 emissions from each individual fuel burned, in tons [from d)(5)f]

h. The rolling 12-month SO_2 emission rate of all fuels burned, calculated as follows:

ET_S = EM1 + EM2 + EM3 + … +EM12 where:

ET_S = Annual SO_2 emissions (tons) as summed from the previous 12 months of monthly SO_2 emissions;

EM = Monthly SO_2 emissions (tons/month)

i. the total (filterable) PE emissions from each fuel burned, calculated as follows:

$E_P = (U_n)(C_n)$ (1ton /2000 lbs) where:

E_P = PE emissions from an individual fuel burned, in tons

U_n = total heat input (mmBtu) of the individual fuel - natural gas, fuel oil number 2, fuel oil number 6, biofuel

C_n = emission factor for the individual fuel in lbs PE/mmBtu

j. The total PE emission rate of all fuels burned, in tons/month, calculated as follows:

$EM_P = E_1 + E_2 + E_3 + \ldots + E_n$ where:

EM_P = Monthly PE emissions, in tons/month

E_n = PE emissions from each individual fuel burned, in tons [from d)(5)c]

k. The rolling 12-month PE emission rate of all fuels burned, calculated as follows:

ET_P = EM1 + EM2 + EM3 + ... +EM12 where:

ET_P = Annual PE emissions (tons) as summed from the previous 12 months of monthly PE emissions;

EM = Monthly PE emissions (tons/month)

l. The total PM_{10} emissions from each fuel burned, calculated as follows:

$E_{P1} = (U_n)(C_n)$ (1ton /2000 lbs) where:

E_{P1} = PM_{10} emissions from an individual fuel burned, in tons

U_n = for natural gas and biofuel, the total heat input (mmBtu) of each individual fuel;

C_n = emission factor for the individual fuel in lbs PM_{10} /mmBtu (for natural gas and biofuel) or lbs PM_{10} /1000 gal (for fuel oil number 2 and fuel oil number 6)

m. The total PM_{10} emission rate of all fuels burned, in tons/month, calculated as follows:

$EM_{P1} = E_1 + E_2 + E_3 + \ldots + E_n$ where:

EM_{P1} = Monthly PM_{10} emissions, in tons/month

E_n = PM_{10} emissions from each individual fuel burned, in tons [from d)(6)l]

n. The rolling 12-month PM_{10} emission rate of all fuels burned, calculated as follows:

ET_{P1} = EM1 + EM2 + EM3 + … +EM12 where:

ET_{P1} = Annual PM_{10} emissions (tons) as summed from the previous 12 months of monthly PM_{10} emissions;

EM = Monthly PM_{10} emissions (tons/month)
[OAC 3745-77-07(C)(1) and PTI P0105829]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, fuel oil number 2, fuel oil number 6, and/or biofuel was combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs. The reports shall be submitted electronically through Ohio EPA Air Services.
[OAC 3745-77-07(C)(1) and PTI P0105829]

(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 Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period. The reports shall be submitted electronically through Ohio EPA Air Services.
[OAC 3745-77-07(C)(1) and PTI P0105829]

(3) The permittee shall submit quarterly deviation (excursion) reports that identify any exceedances of the following:

a. the rolling, 12-month SO_2 limitation specified in b)(1)b;

b. the rolling, 12-month NO_X limitation specified in b)(1)b;

c. the rolling, 12-month PE limitation specified in b)(1)b;

d. the rolling, 12-month PM_{10} limitation specified in b)(1)b;

e. the fuel usage restrictions, based on the calculations specified in c)(4), for summing the NO_X, SO_2, PE, and PM_{10}, rolling 12-month emissions; and

f. the use of fuel oil which did not meet the requirements specified in c)(2) or c)(3);

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).
[OAC 3745-77-07(C)(1) and PTI P0105829]

f) Testing Requirements

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

a. The emissions testing shall be conducted within 60 days after the next use of this boiler under this permit, for use of any fuel(s) at such time, excluding isolated non-production firing such as maintenance checks, operational test-firing, etc. The testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.

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

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

NO_X: Methods 1 through 4 and 7 of 40 CFR, Part 60, Appendix A
CO: Methods 1 through 4 and 10 of 40 CFR, Part 60, Appendix A

d. The emission testing shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Director (the Ohio EPA, Northwest District Office).

[OAC 3745-77-07(C)(1)]

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

Personnel from the Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest District Office).

[OAC 3745-77-07(C)(1)]

(3) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
0.37 lb NO_X /mmBtu of actual heat input

Applicable Compliance Method:
The permittee may demonstrate compliance with the lb NO_X /mmBtu emission standard by multiplying the maximum hourly fuel oil* combustion rate (460 gal/hr) by the emission factor from AP-42 Table 1.3-1 (revised 09/98) of 55 pounds NO_X /1000 gal. of fuel oil and dividing by the maximum heat input to the boiler (69 mmBtu/hr).

* worst-case fuel, for this emissions unit

If required, the permittee shall demonstrate compliance in accordance with Methods 1- 4 and 7 of 40 CFR, Part 60, Appendix A.
[OAC 3745-77-07(C)(1) and PTI P0105829]

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

Applicable Compliance Method:
The permittee may demonstrate compliance with the lb CO /mmBtu emission standard by multiplying the maximum hourly natural gas combustion rate (0.0657 mmcu. ft./hr) by the emission factor from AP-42 Table 1.4-1 (revised 07/98) of 84 pounds CO /mm cu. ft. of natural gas and dividing by the maximum heat input to the boiler (69 mmBtu/hr).

* worst-case fuel, for this emissions unit

If required, the permittee shall demonstrate compliance in accordance with Methods 1- 4 and 10 of 40 CFR, Part 60, Appendix A.
[OAC 3745-77-07(C)(1) and PTI P0105829]

c. Emission Limitation:
1.6 pounds SO_2 /mmBtu of actual heat input

Applicable Compliance Method:
Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated in accordance with the recordkeeping and calculations specified in d)(2) and d)(3) as applicable.

If required, the permittee shall demonstrate compliance with the SO_2 emission limitation above in accordance with the methods specified in OAC rule 3745-18-04(E)(1).

When firing natural gas or biofuel, compliance with this limitation will be assumed due to the negligible percent sulfur, by weight, in the fuel.
[OAC 3745-77-07(C)(1) and PTI P0105829]

d. Emission Limitation:
0.11 pound particulate emissions (PE) /mmBtu of actual heat input (when firing No. 6 fuel oil or biofuel)

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum fuel firing capacity of the emissions unit (460 gallons/hour, for No. 6) by the AP-42, Table 1.3-1 (revised 9/98) emission factor for No. 6 fuel oil (16.5* lbs PE/1000 gallons), and then dividing by the emissions unit's maximum heat input capacity (69 mmBtu/hr).

* 16.5 lbs of PE /1000 gallons (AP-42 Section 1.3, Fuel Oil Combustion, Table 1.3-1 [9/98] 9.19x1.45+3.22)

If required, the permittee shall demonstrate compliance in accordance with Methods 1- 5 of 40 CFR, Part 60, Appendix A.
[OAC 3745-77-07(C)(1) and PTI P0105829]

e. Emission Limitation:
0.020 lb PE /mmBtu of actual heat input (when firing natural gas and/or No. 2 fuel oil)

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum fuel firing capacity of the emissions unit (493 gallons/hour, for No. 2) by the AP-42, Table 1.3-1 (revised 9/98) emission factor for No. 2 fuel oil (2 lbs PE/1000 gallons), and then dividing by the emissions unit's maximum heat input capacity (69 mmBtu/hr).

If required, compliance with the hourly limitation above shall be based upon the results of emission testing conducted in accordance with the methods specified in OAC rule 3745-17-03(B)(9).
[OAC 3745-77-07(C)(1) and PTI P0105829]

f. Emission Limitation:
0.10 pound PM_{10} (filterable) /mmBtu of actual heat input (when firing No. 6 fuel oil or biofuel)

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum fuel firing capacity of the emissions unit (460 gallons/hour, for No. 6) by the AP-42, Table 1.3-1 (revised 9/98) emission factor for No. 6 fuel oil (14.3* lbs PE/1000 gallons), and then dividing by the emissions unit's maximum heat input capacity (69 mmBtu/hr).

* 14.3 lbs of PE /1000 gallons {AP-42 Section 1.3, Fuel Oil Combustion, Table 1.3-1 [Sept 98] 7.17 [1.12(1.45) + 0.37]}

If required, the permittee shall demonstrate compliance in accordance with Method 201 or 201A of 40 CFR 51, Appendix M.
[OAC 3745-77-07(C)(1) and PTI P0105829]

g. Emission Limitation:
0.0079 lb PM_{10} (filterable) /mmBtu of actual heat input (when firing natural gas and/or No. 2 fuel oil)

Applicable Compliance Method:
Compliance may be determined by multiplying the maximum fuel firing capacity of the emissions unit (493 gallons/hour, for No. 2) by the AP-42, Table 1.3-1 (revised 9/98) emission factor for No. 2 fuel oil (1.1* lbs PM_{10} /1000 gallons), and then dividing by the emissions unit's maximum heat input capacity (69 mmBtu/hr).

* PM_{10} (filterable) from burning fuel oil number 2 is based on 55% of PE (0.55 fraction based on AP-42 Section 1.3, Fuel Oil Combustion, Table 1.3-7 [9/98])

If required, the permittee shall demonstrate compliance in accordance with Method 201 or 201A of 40 CFR 51, Appendix M.
[OAC 3745-77-07(C)(1) and PTI P0105829]

h. Emission Limitation
39.0 tons of NO_X per rolling, 12-month period

Applicable Compliance Method
Compliance with the above emission limitation shall be demonstrated through record keeping requirements in d)(5).
[OAC 3745-77-07(C)(1) and PTI P0105829]

i. Emission Limitation
39.0 tons of SO_2 per rolling, 12-month period

Applicable Compliance Method
Compliance with the above emission limitation shall be demonstrated through record keeping requirements in d)(5).
[OAC 3745-77-07(C)(1) and PTI P0105829]

j. Emission Limitation:
24.9 tons of PE per rolling 12-month period

Applicable Compliance Method:
Compliance with the above emission limitation shall be demonstrated through recordkeeping requirements in d)(5).
[OAC 3745-77-07(C)(1) and PTI P0105829]

k. Emission Limitation
9.9 tons of PM_{10} per rolling, 12-month period

Applicable Compliance Method
Compliance with the above emission limitation shall be demonstrated through record keeping requirements in d)(5).
[OAC 3745-77-07(C)(1) and PTI P0105829]

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

Applicable Compliance Method:
Compliance with the visible PE limitation shall be determined in accordance with the methods specified in OAC rule 3745-17-03(B)(1).
[OAC 3745-77-07(C)(1) and PTI P0105829]

g) Miscellaneous Requirements

(1) None.

2. B005, #3 Boiler

Operations, Property and/or Equipment Description:

Boiler 3 - 104.3 mmBtu/hr -natural gas / No. 2 fuel oil / No. 6 fuel oil / vegetable oil 'biofuel'

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)(a) (PTI P0105828 issued December 28, 2009)	Short-term emission limits for natural gas: 0.20 lb of particulate matter 10 microns or less (PM_{10}) (filterable)/hr 7.51 lbs of nitrogen oxides (NO_X) /hr 1.15 lbs of organic compounds (OC) /hr 8.76 lbs of carbon monoxide (CO) /hr Short-term emission limits for oil(s): 175 lbs of SO_2 /hr; 20.9 lbs of NO_X /hr; 3.75 lbs of CO /hr 11.5 lbs of particulate emissions (PE) /hr, when burning No. 6 oil or biofuel; 1.50 lbs of PE /hr, when burning No. 2 oil 9.94 lbs of PM_{10} (filterable) /hour, when burning No. 6 oil or biofuel; 0.83 lbs of PM_{10} (filterable) /hour, when burning No. 2 oil

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Long-term emission limits for burning oil(s): 38.4 tons of CO/year; 5.04 tons of OC/year See b)(2)d.
b.	OAC rule 3745-31-05(D)	39.4 tons of NO_X per rolling 12-month period [See b)(2)a] 39.3 tons of SO_2 per rolling 12-month period [See b)(2)a] 24.9 tons of PE per rolling 12-month period [See b)(2)a] 9.74 tons of PM_{10} per rolling 12-month period [See b)(2)a]
c.	OAC rule 3745-17-07(A)(1)	Visible PE shall not exceed 20% opacity as a six-minute average, except as provided by rule.
d.	40 CFR 60.40c et seq. (NSPS Subpart Db)	See b)(2)b.
e.	OAC rule 3745-17-10 (B)(1)	See b)(2)c.
f.	OAC rule 3745-17-10(C)(2)	See b)(2)c.
g.	OAC rule 3745-18-06(D)	See b)(2)c.
h.	40 CFR 63.52(a)(2)	See b)(2)e.

(2) Additional Terms and Conditions

a. Annual emissions shall not exceed the following, based upon a rolling, 12-month summation of the monthly emissions:

i. 39.4 tons of NO_X;
ii. 39.3 tons of SO_2;
iii. 24.9 tons of PE; and
iv. 9.74 tons of PM_{10}.

The emission limitations are based on fuel usage restrictions [see c)(4)] for the purpose of establishing federally enforceable limitations to avoid "Prevention of Significant Deterioration" (PSD) applicability.

b. 40 CFR Part 60, Subpart Db, is not applicable to this emissions unit to due to the fact that construction, modification, or reconstruction of the unit occurred prior to June 19, 1984 (at a different facility).

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

d. The requirements of OAC rule 3745-31-05(A)(3)(a) also include compliance with the requirements of OAC rule 3745-31-05(D).

e. This emissions unit is subject to a case-by-case MACT determination pursuant to section 112(j) of the Clean Air Act (CAA) due to the June 8, 2007 D.C. Circuit Court of Appeals decision to vacate the Boiler MACT (40 CFR Part 63, Subpart DDDDD).

If notified by the Ohio EPA or U.S. EPA, the permittee shall submit an application for a revision to this Title V permit that meets the requirements of 40 CFR 63.52(a)(2) pertaining to case-by-case MACT determinations. The 30-day clock for submittal of a 112(j) application does not begin until such notification is made by Ohio EPA or U.S. EPA.

c) Operational Restrictions

(1) The permittee shall only burn natural gas, fuel oil number 2, fuel oil number 6, or biofuel in this emissions unit.
[OAC 3745-77-07(A)(1) and PTI P0105828]

(2) The fuel oil number 2 combusted in this emissions unit shall only be fuel oil number 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils". The sulfur content of the fuel oil number 2 shall contain no more than 0.5 weight percent sulfur.
[OAC 3745-77-07(A)(1) and PTI P0105828]

(3) The fuel oil number 6 combusted in this emissions unit shall only be fuel oil number 6, as defined by the American Society for Testing and Materials in ASTM D396-78, "Standard Specification for Fuel Oils" and shall meet the following requirements: the fuel oil number 6 shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission standard specified in OAC 3745-18-06(D).
[OAC 3745-77-07(A)(1) and PTI P0105828]

The maximum rolling, 12-month quantity of fuel burned in this emissions unit shall be limited by the following equation. The criteria of the limiting equation must be met for NO_X SO_2, PE, and PM_{10} (meaning the calculated results for NO_X, SO_2, PE, and PM_{10} must not exceed 39.4, 39.3, and 9.74 tons, respectively).

$$\sum_{M=1}^{12} \sum_{n} [(U_n)(C_n)\ (1\ \text{ton}/2000\ \text{lbs})] \leq \text{EMT}$$

where:

M = the increment of the rolling 12-month period;
n = the increment of the fuel usage input during the period;

U_n = total fuel usage, cubic feet of natural gas, gallons or mmBtu heat input of oil, for each individual fuel type in the units of the factor applied, for: natural gas, fuel oil number 2, fuel oil number 6, biofuel

C_n = emission factor for the individual fuel:

0.20 lb NO_X /mmBtu (biofuel)
0.072 lb NO_X /mmcf of natural gas
0.118 lb NO_X /mmBtu (fuel oil number 2 and fuel oil number 6)

0.0015 lb SO_2 /mmBtu (biofuel)
0.6 lb SO_2 /mmcf of natural gas
157(S*) lbs SO_2 /1000 gallons of fuel oil number 6
142(S*) lbs SO_2 /1000 gallons of fuel oil number 2

1.9 lbs PE/mmcf of natural gas
16.5** lbs PE/1000 gallons of fuel oil number 6
2 lbs PE/1000 gallons of fuel oil number 2
0.07 lbs PE/mmBtu (biofuel)

1.9 lbs PM_{10} (filterable) /mmcf of natural gas
14.3*** lbs PM_{10} (filterable) /1000 gallons of fuel oil number 6
1.1 lbs PM_{10} (filterable) /1000 gallons of fuel oil number 2
0.07 lbs PM_{10} (filterable) /mmBtu (biofuel)****

* S = sulfur content, weight percent

** This emissions factor will be acceptable as a 'worst-case' for PE, based on a fuel oil sulfur content at the SO_2 emissions standard of OAC 3745-18-06(D) [at typical density and heat content]. In the case of fuel oil sulfur content less than permit limitation, an emission factor less than specified here will be allowed, based on the AP-42 formula: 9.19(S)+3.22, Table 1.3-1.

*** This emissions factor will be acceptable as a 'worst-case' for PM_{10}, based on a fuel oil sulfur content at the SO_2 emissions standard of OAC 3745-18-06(D) [at typical density and heat content]. In the case of fuel oil sulfur content less than permit limitation, an emission factor less than specified here will be allowed, based on the AP-42 formula: 7.17 [1.12(S) + 0.37], Table 1.3-5.

**** For biofuel, the 'total' PE (filterable) emissions factor shall be used as a conservative emissions factor for PM_{10} (filterable), due to the lack of particle size distribution information being available.

EMT = emissions threshold:
39.4 tons for NO_X; 39.3 tons for SO_2; 24.9 tons for PE; 9.74 tons for PM_{10}

Emission factors other than those indicated above may be used with prior approval from the Ohio EPA, Northwest District Office.
[OAC 3745-77-07(A)(1) and PTI P0105828]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, fuel oil number 2, fuel oil number 6, or biofuel, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
[OAC 3745-77-07(C)(1) and PTI P0105828]

(2) For each shipment of fuel oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the fuel oil type (number 2, 4, or 6), the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745 18 04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as D240, “Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter” and D4294, “Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry”, or equivalent methods as approved by the Director.
[OAC 3745-77-07(C)(1) and PTI P0105828]

(3) In lieu of the requirements of d)(2) for No. 2 oil for sulfur, the permittee may keep records of fuel oil supplier certification, which shall include the following information:

a. The name of the oil supplier.

b. A statement from the oil supplier that the oil complies with the specifications under the definition of 'distillate oil' in 40 CFR 60.41c.

c. The sulfur content of the oil.
[OAC 3745-77-07(C)(1) and PTI P0105828]

(4) When burning # 6 fuel oil, the permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission

incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
[OAC 3745-77-07(C)(1) and PTI P0105828]

(5) The permittee shall maintain monthly records of the following information:

a. the quantity of each individual fuel burned (natural gas in mmcf, oils in gallons);

b. the rolling 12-month summation of the usage rates for each individual fuel burned (natural gas in mmcf, oils in gallons);

c. the total NO_X emissions from each fuel burned, calculated as follows:

$E_N = (U_n)(C_n)$ (1ton /2000 lbs) where:

$E_N = NO_X$ emissions from an individual fuel burned, in tons

U_n = total heat input (mmBtu) of the individual fuel - natural gas, fuel oil number 2, fuel oil number 6, biofuel

C_n = emission factor for the individual fuel in lbs NO_X/mmBtu

d. The total NO_X emission rate of all fuels burned, in tons/month, calculated as follows:

$EM_N = E_1 + E_2 + E_3 + \ldots + E_n$ where:

EM_N = Monthly NO_X emissions, in tons/month

$E_n = NO_X$ emissions from each individual fuel burned, in tons [from d)(5)c]

e. The rolling 12-month NO_X emission rate of all fuels burned, calculated as follows:

ET_N = EM1 + EM2 + EM3 + ... +EM12 where:

ET_N = Annual NO_X emissions (tons) as summed from the previous 12 months of monthly NO_X emissions;

EM = Monthly NO_X emissions (tons/month)

f. The total SO_2 emissions from each fuel burned, calculated as follows:

$E_S = (U_n)(C_n)$ (1ton /2000 lbs) where:

$E_S = SO_2$ emissions from an individual fuel burned, in tons

U_n = for natural gas and vegetable oil, the total heat input (mmBtu) of each individual fuel;

C_n = emission factor for the individual fuel in lbs SO_2 /mmBtu (for natural gas and vegetable oil) or lbs SO_2 /gal (for fuel oil number 2 and fuel oil number 6)

g. The total SO_2 emission rate of all fuels burned, in tons/month, calculated as follows:

$EM_S = E_1 + E_2 + E_3 + ... + E_n$ where:

EM_S = Monthly SO_2 emissions, in tons/month

E_n = SO_2 emissions from each individual fuel burned, in tons [from d)(5)f]

h. The rolling 12-month SO_2 emission rate of all fuels burned, calculated as follows:

ET_S = EM1 + EM2 + EM3 + … +EM12 where:

ET_S = Annual SO_2 emissions (tons) as summed from the previous 12 months of monthly SO_2 emissions;

EM = Monthly SO_2 emissions (tons/month)

i. the total (filterable) PE emissions from each fuel burned, calculated as follows:

$E_P = (U_n)(C_n)$ (1ton /2000 lbs) where:

E_P = PE emissions from an individual fuel burned, in tons

U_n = total heat input (mmBtu) of the individual fuel - natural gas, fuel oil number 2, fuel oil number 6, biofuel

C_n = emission factor for the individual fuel in lbs PE/mmBtu

j. The total PE emission rate of all fuels burned, in tons/month, calculated as follows:

$EM_P = E_1 + E_2 + E_3 + … + E_n$ where:

EM_P = Monthly PE emissions, in tons/month

E_n = PE emissions from each individual fuel burned, in tons [from d)(5)c]

k. The rolling 12-month PE emission rate of all fuels burned, calculated as follows:

ET_P = EM1 + EM2 + EM3 + ... +EM12 where:

ET_P = Annual PE emissions (tons) as summed from the previous 12 months of monthly PE emissions;

EM = Monthly PE emissions (tons/month)

l. The total PM_{10} emissions from each fuel burned, calculated as follows:

$E_{P1} = (U_n)(C_n)$ (1ton /2000 lbs) where:

E_{P1} = PM_{10} emissions from an individual fuel burned, in tons

U_n = for natural gas and biofuel, the total heat input (mmBtu) of each individual fuel;

C_n = emission factor for the individual fuel in lbs PM_{10} /mmBtu (for natural gas and biofuel) or lbs PM_{10} /1000 gal (for fuel oil number 2 and fuel oil number 6)

m. The total PM_{10} emission rate of all fuels burned, in tons/month, calculated as follows:

$EM_{P1} = E_1 + E_2 + E_3 + ... + E_n$ where:

EM = Monthly PM_{10} emissions, in tons/month

E_n = PM_{10} emissions from each individual fuel burned, in tons [from d)(6)l]

n. The rolling 12-month PM_{10} emission rate of all fuels burned, calculated as follows:

ET_{P1} = EM1 + EM2 + EM3 + … +EM12 where:

ET = Annual PM_{10} emissions (tons) as summed from the previous 12 months of monthly PM_{10} emissions;

EM = Monthly PM_{10} emissions (tons/month)
[OAC 3745-77-07(C)(1) and PTI P0105828]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas, fuel oil number 2, fuel oil number 6, and/or biofuel was combusted in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs. The reports shall be submitted electronically through Ohio EPA Air Services.
[OAC 3745-77-07(C)(1) and PTI P0105828]

(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 Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period. The reports shall be submitted electronically through Ohio EPA Air Services.
[OAC 3745-77-07(C)(1) and PTI P0105828]

(3) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:

a. the rolling, 12-month SO_2 limitation specified in b)(1)b;

b. the rolling, 12-month NO_X limitation specified in b)(1)b;

c. the rolling, 12-month PE limitation specified in b)(1)b;

d. the rolling, 12-month PM_{10} limitation specified in b)(1)b;

e. the fuel usage restrictions, based on the calculations specified in c)(4), for summing the NO_X, SO_2, PE, and PM_{10}, rolling 12-month emissions; and

f. the sulfur content restriction for fuel oil number 2 or fuel oil number 6;

g. the use of fuel oil number 2 which did not meet the requirement specified in c)(2); and

h. the use of fuel oil number 6 which did not meet the requirement specified in c)(3).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).
[OAC 3745-77-07(C)(1) and PTI P0105828]

f) Testing Requirements

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

a. Fuel oil and/or biofuel: The emissions testing shall be conducted within 60 days after beginning any use of these fuels under this permit. The testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.

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

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:
NO_X: Methods 1 through 4 and 7 of 40 CFR, Part 60, Appendix A
CO: Methods 1 through 4 and 10 of 40 CFR, Part 60, Appendix A

d. The emission testing shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Director (the Ohio EPA, Northwest District Office).

[OAC 3745-77-07(C)(1)]

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

Personnel from the Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest District Office).
[OAC 3745-77-07(C)(1)]

(3) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitations: (Short-term emission limits for burning natural gas)
7.51 lbs of NO_X /hr
8.76 lbs of CO /hr
1.15 lbs of OC /hr
0.20 lb of PM_{10} /hr

Applicable Compliance Method
The hourly emission limitations are based on a maximum natural gas usage rate of 104,333 mmcf per hour and the following emission factors:

NO_X: 0.072 lb of NO_X /MMBTU (manufacturer's guaranteed specification)

CO: 84 lbs of CO /mmcf (AP-42 Section 1.4, Natural Gas Combustion Table 1.4-1 [7/98])

OC: 11 lbs of TOC/mmcf (AP-42 Section 1.4, Natural Gas Combustion Table 1.4-2 [7/98])

PM_{10}: 1.9 lbs of PM_{10} (filterable) /mmcf (AP-42 Section 1.4, Natural Gas Combustion, Table 1.4-2 [7/98]) Note: For natural gas, all PE is PM_{10}.

Compliance with the NO_X and CO limitations was demonstrated by emission testing conducted on September 22, 2005. If required, the permittee shall further demonstrate compliance with the emission limitations through emission tests performed in accordance with:

NO_X: Methods 1- 4, and 7 of 40 CFR 60, Appendix A
CO: Methods 1- 4, and 10 of 40 CFR 60, Appendix A
PM_{10}: Method 201 or 201A of 40 CFR 51, Appendix M
OC: Methods 1 through 4 and 18, 25, or 25a of 40 CFR 60, Appendix A
[OAC 3745-77-07(C)(1) and PTI P0105828]

b. Emission Limitations:
(Short-term emission limits for burning fuel oil number 2, fuel oil number 6, and biofuel)

175 lbs of SO_2 /hr
20.9 lbs of NO_X /hr
3.75 lbs of CO /hr
11.5 lbs of PE /hr when burning fuel oil number 6 or biofuel
1.50 lbs of PE /hr when burning fuel oil number 2
9.94 lbs of PM_{10} /hr when burning fuel oil number 6 or biofuel
0.83 lbs of PM_{10} /hr when burning fuel oil number 2

Applicable Compliance Method:
The hourly emission limitations are based on the following:

SO_2: 157 lbs of SO_2 /1000 gallons x S* (AP-42 Section 1.3, Fuel Oil Combustion, Table 1.3-1 [9/98])
* S = sulfur content of oil as indicated in AP-42

NO_X is based on a maximum biofuel (vegetable oil) usage rate of 824 gallons per hour, a heat content of 126550 Btu/gallon, and an emission factor of 0.20 lb of NO_X/mmBtu (manufacturer's guaranteed specification)

CO is based on a maximum number 2 fuel oil usage rate of 750 gallons per hour and an emission factor of 5 lbs of CO /1000 gallons (AP-42 Section 1.3, Fuel Oil Combustion, Table 1.3-1 [9/98])

PE (from burning fuel oil number 6 or biofuel) is based on a maximum number 6 fuel oil usage rate of 695 gallons per hour and the following emission factors:

PE: 16.5 lbs of PE /1000 gallons (AP-42 Section 1.3, Fuel Oil Combustion, Table 1.3-1 [9/98] 9.19x1.45+3.22)

PM_{10} (from burning fuel oil number 6 or biofuel) is based on a maximum number 6 fuel oil usage rate of 695 gallons per hour and the following emission factors:

PM_{10}: 14.3 lbs of PE /1000 gallons (AP-42 Section 1.3, Fuel Oil Combustion, Table 1.3-1 [9/98] 7.17 [1.12(1.45) + 0.37)

PE from burning fuel oil number 2 is based on a maximum number 2 fuel oil usage rate of 750 gallons and an emission factor of 2 lbs of PE /1000 gallons (AP-42 Section 1.3, Fuel Oil Combustion, Table 1.3-1 [9/98])

PM_{10} (filterable) from burning fuel oil number 2 is based on 55% of PE (0.55 fraction based on AP-42 Section 1.3, Fuel Oil Combustion, Table 1.3-7 [9/98])

Compliance with the NO_X, CO, and PM_{10} limitations has been demonstrated by emission testing conducted on September 22, 2005. If required, the permittee shall further demonstrate compliance with the emission limitations through emission tests performed in accordance with:

NO_X: Methods 1- 4, and 7 of 40 CFR 60, Appendix A
CO: Methods 1- 4, and 10 of 40 CFR 60, Appendix A
PE: Methods 1- 5 of 40 CFR 60, Appendix A
PM_{10}: Method 201 or 201A of 40 CFR 51, Appendix M
SO_2: Methods 1- 4, and 6 of 40 CFR 60, Appendix A
[OAC 3745-77-07(C)(1) and PTI P0105828]

c. Emission Limitations:
(Long-term emission limits for burning natural gas, fuel oil number 2, fuel oil number 6, and biofuel)

38.4 tons of CO/year
5.04 tons of OC/year

Applicable Compliance Method:
The annual emission limitations for CO and OC are based the combustion of natural gas which represents a "worst case scenario" for these pollutants. The annual limitations were established by multiplying the maximum hourly emission rates by an operating schedule of 8760 hours per year and dividing by 2000 lbs. Therefore, provided compliance is shown with the hourly limitations for CO and OC when burning natural gas, compliance with the annual limitations will be assumed.
[OAC 3745-77-07(C)(1) and PTI P0105828]

d. Emission Limitation:
39.4 tons of NO_X per rolling 12-month period

Applicable Compliance Method:
Compliance with the above emission limitation shall be demonstrated through recordkeeping requirements in d)(5).
[OAC 3745-77-07(C)(1) and PTI P0105828]

e. Emission Limitation:
39.3 tons of SO_2 per rolling 12-month period

Applicable Compliance Method:
Compliance with the above emission limitation shall be demonstrated through recordkeeping requirements in d)(5).
[OAC 3745-77-07(C)(1) and PTI P0105828]

f. Emission Limitation:
24.9 tons of PE per rolling 12-month period

Applicable Compliance Method:
Compliance with the above emission limitation shall be demonstrated through recordkeeping requirements in d)(5).

[OAC 3745-77-07(C)(1) and PTI P0105828]

g. Emission Limitation:
9.74 tons of PM_{10} per rolling 12-month period

Applicable Compliance Method:
Compliance with the above emission limitation shall be demonstrated through recordkeeping requirements in d)(5).
[OAC 3745-77-07(C)(1) and PTI P0105828]

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

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).
[OAC 3745-77-07(C)(1) and PTI P0105828]

g) Miscellaneous Requirements

(1) None.

3. F007, Column Dryer

Operations, Property and/or Equipment Description:

Column dryer for bean drying - 5000 bushel/hour, with enclosed conveying

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	40 CFR 60.300 et seq. (NSPS Subpart DD)	See b)(2)a.
b.	OAC rule 3745-31-05(A)(3) (PTI 03-13219 issued July 28, 1999)	107 tons fugitive particulate emissions (PE)/year 26.8 tons fugitive particulate matter less than 10 microns (PM_{10})/year 3.62 pounds fugitive nitrogen oxides (NO_X)/hour, 11.8 tons NO_X/year 3.04 pounds fugitive carbon monoxide (CO)/hour, 9.88 tons CO/year Visible fugitive PE shall not exceed 20 percent opacity as a 3-minute average. See b)(2)b.
c.	OAC rule 3745-17-07(B)(1)	none [See b)(2)c.]
d.	OAC rule 3745-17-08(B)(1)	none [See b)(2)d.]

(2) Additional Terms and Conditions

a. The column plate perforations shall not exceed 0.094 inch.
[40 CFR 60.302(a)(1)]

b. The requirements of this rule also include compliance with the requirements of 40 CFR 60.300 et seq. (NSPS Subpart DD).

c. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

d. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) This emissions unit shall not operate more than 6500 hours per year.
[OAC 3745-77-07(A)(1) and PTI 03-13219]

d) Monitoring and/or Recordkeeping Requirements

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

a. the location and color of the emissions:
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emissions incident; and
e. any corrective actions taken to minimize eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (iv.) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
[OAC 3745-77-07(C)(1) and PTI 03-13219]

(2) The permittee shall maintain monthly records of the number of hours of operation for this emissions unit in: hours per month; and total hours, to date, for the calendar year.
[OAC 3745-77-07(C)(1) and PTI 03-13219]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.
[OAC 3745-77-07(C)(1) and PTI 03-13219]

(2) The permittee shall submit annual reports of the number of hours this emissions unit was in operation.

This report shall be submitted by January 31 of each year and shall cover the previous calendar year.
[OAC 3745-77-07(C)(1) and PTI 03-13219]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
107 tons PE/year

Applicable Compliance Method:
Compliance with annual allowable PE limitation shall be determined by multiplying the emission factor of 0.22 pound PE/ton (AP-42, Table 9.9.1 (revised 5/98) by the annual number of hours the emissions unit was in operation (this is calculated by summing the 12 monthly numbers of hours the emissions unit was in operation [from d)(2)] for the calendar year), and then multiplying by the maximum hourly production rate (tons/hour).
[OAC 3745-77-07(C)(1) and PTI 03-13219]

b. Emission Limitation:
26.8 tons PM_{10}/year

Applicable Compliance Method:
Compliance with annual allowable PM_{10} emission limitation shall be determined by multiplying the emission factor of 0.055 pound PM_{10}/ton (AP-42, Table 9.9.1 (revised 5/98) by the annual number of hours the emissions unit was in operation (this is calculated by summing the 12 monthly numbers of hours the emissions unit was in operation [from d)(2)] for the calendar year), and then multiplying by the maximum hourly production rate (tons/hour).
[OAC 3745-77-07(C)(1) and PTI 03-13219]

c. Emission Limitations:
3.62 pounds fugitive NO_X/hour, 11.8 tons NO_X/year

Applicable Compliance Method:
Compliance with the hourly allowable NO_X emission limitation may be determined by multiplying the natural gas emission factor of 100 pounds NO_X/mm cu. ft (AP-42, Table 1.4-1 (revised 3/98) by the maximum natural gas combustion rate (mm cu. ft/hr).

The annual allowable NO_X limitation was developed by multiplying the hourly limitation by 6500, and then dividing by 2000. Therefore, as long as compliance with the hourly limitation and the annual operational hours limit is shown, compliance with the annual limitation shall be assumed.
[OAC 3745-77-07(C)(1) and PTI 03-13219]

d. Emission Limitations:
3.04 pounds fugitive CO/hour, 9.88 tons CO/year

Applicable Compliance Method:
Compliance with the hourly allowable CO emission limitation may be determined by multiplying the natural gas emission factor of 84 pound CO/mm cu. ft (AP-42, Table 1.4-1 (revised 3/98) by the maximum natural gas combustion rate (mm cu. ft/hr).

The annual allowable CO limitation was developed by multiplying the hourly limitation by 6500, and then dividing by 2000. Therefore, as long as compliance with the hourly limitation and the annual operational hours limit is shown, compliance with the annual limitation shall be assumed.
[OAC 3745-77-07(C)(1) and PTI 03-13219]

e. Emission Limitation:
Visible fugitive PE shall not exceed 20 percent opacity as a 3-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in “Appendix on Test Methods” in 40 CFR, Part 60 (“Standards of Performance for New Stationary Sources”), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.
[OAC 3745-77-07(C)(1) and PTI 03-13219]

g) Miscellaneous Requirements

(1) The Permit to Install (PTI) for this emissions unit allowed the permittee to replace an existing rack dryer with a new column dryer. Increases in facility allowable emissions as a result of the replacement equate to 39.75 tons of PE per year and 9.94 tons of PM_{10} per year.

4. F008, Rail to Truck Meal

Operations, Property and/or Equipment Description:

Rail meal receiving with truck loadout

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 03-16213 issued July 22, 2004)	8.10 tons of fugitive particulate emissions (PE)/year Visible fugitive PE shall not exceed 20% opacity, as a three-minute average. Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust [See b)(2)a.]
b.	OAC rule 3745-17-07(B)(1)	none [See b)(2)b.]
c.	OAC rule 3745-17-08(B)(1)	none [See b)(2)c.]

(2) Additional Terms and Conditions

a. The permittee shall employ best available control measures for this emissions unit for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee maintains that the inherent moisture content of the meal is at a level that is more than sufficient to comply with all applicable requirements. If at any time the moisture content is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.

b. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

c. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) The maximum annual quantity of meal received shall not exceed 30,000 tons.
[OAC 3745-77-07(A)(1) and PTI 03-16213]

d) Monitoring and/or Recordkeeping Requirements

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

a. the location and color of the emissions:
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emissions incident; and
e. any corrective actions taken to minimize eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (iv.) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
[OAC 3745-77-07(C)(1) and PTI 03-16213]

(2) The permittee shall maintain monthly records of the amount of meal received for this emissions unit in: tons per month; and total tons, to date, for the calendar year.
[OAC 3745-77-07(C)(1) and PTI 03-16213]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.
[OAC 3745-77-07(C)(1) and PTI 03-16213]

(2) The permittee shall submit annual reports of the quantity of meal received for this emissions unit.

This report shall be submitted by January 31 of each year and shall cover the previous calendar year.
[OAC 3745-77-07(C)(1) and PTI 03-16213]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
8.10 tons of fugitive PE/year

Applicable Compliance Method:
The permittee shall determine compliance with the above emission limitation by multiplying the annual meal throughput of 60,000 tons* by an emission factor of 0.27 lb of PE/ton of meal loaded/received (AP-42 Section 9.11.1, Vegetable Oil Processing, Table 9.11.1-1 [11/95]) and dividing by 2000 lbs. Therefore provided compliance is shown with the maximum annual quantity of meal received, compliance with the annual limitation will be assumed.

* 60,000 tons includes 30,000 tons of meal received each year and 30,000 tons of meal loaded into trucks each year
[OAC 3745-77-07(C)(1) and PTI 03-16213]

b. Emission Limitation:
Visible fugitive PE shall not exceed 20% opacity as a three-minute average

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in “Appendix on Test Methods” in 40 CFR, Part 60 (“Standards of Performance for New Stationary Sources”), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.
[OAC 3745-77-07(C)(1) and PTI 03-16213]

g) Miscellaneous Requirements

(1) None.

5. P011, Meal Grinders

Operations, Property and/or Equipment Description:

Meal sifting and grinding - with process baghouse

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	24.7 lbs particulate emissions (PE) /hr
b.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse(s) during operation of this emissions unit. 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, in inches of water, across the baghouse on a weekly basis.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control

equipment within the acceptable range(s) specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop readings immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the baghouse is 0.5 to 5.0 inches of water.

This range(s) is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range(s) based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the range(s) will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a 'minor' permit modification.
[OAC 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the baghouse(s) was outside the acceptable range(s);

b. an identification of each incident of deviation described in (a) above where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in (a) where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range(s), was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in (a) where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.
[OAC 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
24.7 lbs PE /hr

Applicable Compliance Method:
Compliance with the hourly limitation may be determined by multiplying the maximum baghouse outlet concentration of 0.03 gr/dscf by the baghouse's maximum volumetric air flow rate (11,000 acfm), then multiplying by lb/7000 grains and 60 minutes/hour.

If required, compliance with the hourly allowable PE limitation shall be determined in accordance with OAC rule 3745-17-03(B)(10).
[OAC 3745-77-07(C)(1)]

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

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).
[OAC 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

6. P013, Extraction

Operations, Property and/or Equipment Description:

Oil extraction

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	40 CFR, Part 63, Subpart GGGG (40 CFR 63.2830 - 63.2872)	See 40 CFR 63.2840 [Table 1 (ix)] Solvent Loss Factor (SLF) - 0.2 gallon Hazardous Air Pollutant (HAP) /ton oilseed See b)(2)a.
b.	40 CFR 63.1-15 (40 CFR 63.2870 Table 1 of Subpart GGGG)	Table 1 in Section 63.2870 of 40 CFR Part 63 – Applicability of General Provisions to Subpart GGGG shows which parts of the General Provisions in 40 CFR 63.1-15 apply.
c.	OAC rule 3745-21-07(G)(2)	See b)(2)m and c)(1).

(2) Additional Terms and Conditions

a. HAP loss requirements:

i. The emission requirements limit the number of gallons of HAP lost per ton of listed oilseeds processed. For each operating month, the permittee must calculate a compliance ratio which compares the actual HAP loss to the allowable HAP loss for the previous 12 operating months as shown in Equation 1 of this section. An operating month, as defined in 40 CFR 63.2872, is any calendar month in which a source processes a listed oilseed, excluding any entire calendar month in which the source operated under an initial startup period subject to 40 CFR 63.2850(c)(2) or (d)(2) or a malfunction period subject to 40 CFR 63.2850(e)(2). Equation 1 of this section follows:

Compliance Ratio = Actual HAP Loss / Allowable HAP Loss

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

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

Where:

f = The weighted average volume fraction of HAP in solvent received during the previous 12 operating months, as determined in 40 CFR 63.2854, dimensionless.

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

Actual Solvent Loss = Gallons of actual solvent loss during previous 12 operating months, as determined in 40 CFR 63.2853.

Oilseed = Tons of oilseed processed during the previous 12 operating months, as shown in 40 CFR 63.2855 (conventional process).

SLF = The corresponding solvent loss factor (gal/ton) for conventional oilseed listed in Table 1 (0.2).

[40 CFR 63.2840(a)]

b. When the source has processed listed oilseed for 12 operating months, calculate the compliance ratio by the end of each calendar month following an operating month using Equation 2 of this section. When calculating your compliance ratio, consider the following conditions and exclusions:

i. If the source processes any quantity of listed oilseeds in a calendar month and the source is not operating under an initial startup period or malfunction period subject to 40 CFR 63.2850, then the permittee must categorize the month as an operating month, as defined in 40 CFR 63.2872.

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

iii. If the source shuts down and processes no listed oilseed for an entire calendar month, then the permittee must categorize the month as a non-operating month, as defined in 40 CFR 63.2872. Exclude any non-operating months from the compliance ratio determination.

iv. If the source is subject to an initial startup period as defined in 40 CFR 63.2872, exclude from the compliance ratio determination any solvent and oilseed information recorded for the initial startup period.

v. If the source is subject to a malfunction period as defined in 40 CFR 63.2872, exclude from the compliance ratio determination any solvent and oilseed information recorded for the malfunction period.

[40 CFR 63.2840(b)]

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

d. The permittee, i.e. you, shall:

i. Maintain all the necessary records you have used to demonstrate compliance with Subpart GGGG in accordance with 40 CFR 63.2862.

ii. Submit the reports as specified in 40 CFR 63.2850(a)(5).

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

[40 CFR 63.2850(a)(4), (5), and (6)]

e. Existing sources under normal operation: The permittee must meet all of the requirements listed in Table 1 of 40 CFR 63.2850 for sources under normal operation.
[40 CFR 63.2850(b)]

f. Existing or new sources that have been significantly modified: An existing or new source that has been significantly modified must meet the requirements associated with one of two compliance options. Within 15 days of the modified source startup date, you must choose to comply with one of the options listed in f.i or f.ii as follows:

i. Normal operation. Upon startup of a significantly modified existing or new source, the permittee must meet all of the requirements listed in 40 CFR 63.2850(a) and Table 1 of that section for sources under normal operation, and the schedules for demonstrating compliance for an existing or new source that has been significantly modified in Table 2 of that section.

ii. Initial startup period. For up to 3 calendar months after the startup date of a significantly modified existing or new source, the permittee must meet all of the requirements listed in 40 CFR 63.2850(a) and Table 1 of that section for sources operating under an initial startup period, and the schedules for demonstrating compliance for a significantly modified existing or new source operating under an initial startup period in Table 2 of that section. After a maximum of 3 calendar months, a new or existing source must meet all of the requirements listed in Table 1 of that section for sources under normal operation.

[40 CFR 63.2850(d)]

g. Existing or new sources experiencing a malfunction: A malfunction is defined in 40 CFR 63.2. In general, it means any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or process equipment to function in a usual manner. If an existing or new source experiences an

unscheduled shutdown as a result of a malfunction, continues to operate during a malfunction (including the period reasonably necessary to correct the malfunction), or starts up after a shutdown resulting from a malfunction, then the permittee must meet the requirements associated with one of two compliance options. Routine or scheduled process startups and shutdowns resulting from, but not limited to, market demands, maintenance activities, and switching types of oilseed processed, are not startups or shutdowns resulting from a malfunction and, therefore, do not qualify for this provision. Within 15 days of the beginning date of the malfunction, the permittee must choose to comply with one of the options listed in 'i' or 'ii' as follows:

i. Normal operation. The source must meet all of the requirements listed in 40 CFR 63.2850(a) and one of the options listed in 40 CFR 63.2850(e)(1)(i) through (iii).

ii. Malfunction period. Throughout the malfunction period, you must meet all of the requirements listed in 40 CFR 63.2850(a) and Table 1 of that section for sources operating during a malfunction period. At the end of the malfunction period, the source must then meet all of the requirements listed in Table 1 of that section for sources under normal operation.

[40 CFR 63.2850(e)]

h. The permittee must develop a written SSM plan in accordance with 40 CFR 63.6(e)(3). The permittee must complete the SSM plan before the compliance date for the source. The permittee must also keep the SSM plan on-site and readily available as long as the source is operational. The SSM plan provides detailed procedures for operating and maintaining your source to minimize emissions during a qualifying SSM event for which the source chooses the 40 CFR 63.2850(e)(2) malfunction period, or the 40 CFR 63.2850(d)(2) initial startup period. The SSM plan must specify a program of corrective action for malfunctioning process and air pollution control equipment and reflect the best practices now in use by the industry to minimize emissions. Some or all of the procedures may come from plans developed for other purposes such as a Standard Operating Procedure manual or an Occupational Safety and Health Administration Process Safety Management plan. To qualify as a SSM plan, other such plans must meet all the applicable requirements of these NESHAP.
[40 CFR 63.2852]

i. In accordance with US EPA Consent Decree (see Paragraphs 38, 39, and 66), the permittee has committed to a SLR for this emissions unit at this facility of 0.175 gallons VOC per ton.

j. In accordance with Paragraph 73 of the Consent Decree, compliance with the interim and final VOC SLR limits [in this Consent Decree] shall be determined in accordance with 40 C.F.R. Part 63, Subpart GGGG, with the following exceptions: (1) provisions pertaining to HAP content shall not apply; (2) monitoring and recordkeeping of solvent losses at each plant shall be conducted daily; (3) solvent losses and quantities of oilseed processed during startup and shutdown periods shall not be excluded in determining solvent losses; and (4) records shall be kept in the form of the table in Attachment 13 of the Consent Decree, that show total solvent losses, solvent losses during malfunction periods,

and adjusted solvent losses (i.e., total solvent losses minus malfunction losses) monthly and on a twelve-month rolling basis.

k. Malfunctions. In accordance with Paragraph 74 of the Consent Decree, the permittee may apply the provisions of 40 C.F.R. Part 63, Subpart GGGG pertaining to malfunction periods only when the conditions in both subparagraph (i) and (ii) are met: (i) The malfunction results in a total plant shutdown. [For purposes of this Consent Decree,] a "total plant shutdown" means a shutdown of the solvent extraction system. (ii) Cumulative solvent losses during malfunction periods at a plant do not exceed 4000 gallons in a 12-month rolling period. At all other times, the permittee must include all solvent losses when determining compliance with its final VOC SLR limit.

l. In accordance with Paragraph 75 of the Consent Decree, during a malfunction period, the permittee shall comply with the Startup, Shutdown, Malfunction ("SSM") Plan as required under Subpart GGGG for the plant. The solvent loss corresponding to a malfunction period will be calculated as the difference in the total solvent inventories for the day before the malfunction period began and the day the plant resumes normal operation.

m. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision: c)(1), d)(1), and e)(1).

c) Operational Restrictions

(1) The use of photo-chemically reactive materials, as defined in OAC rule 3745-21-01, in this emissions unit is prohibited.
[OAC 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records showing the organic compound materials used to be non-photochemically reactive. These records shall be maintained in accordance with the record-keeping requirements specified in the Standard Terms and Conditions of this permit.
[OAC 3745-77-07(C)(1)]

(2) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR 63 Subpart GGGG, including the following sections:

63.2862(b) - compliance plan and SSM plan retention on-site

63.2862(c) - records for hexane mass balance calculations

63.346(d) - records for calculation of rolling 12-month averages and the 'compliance ratio'

63.2862(e) - records for startup, shutdown, and malfunction events

63.2863 - records retention
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart GGGG]

e) Reporting Requirements

(1) The permittee shall notify the Northwest District Office in writing of any monthly record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Northwest District Office within 45 days after the event occurs.
[OAC 3745-77-07(C)(1)]

(2) The permittee shall comply with the applicable reporting requirements required under 40 CFR 63 Subpart GGGG, including the following sections:

63.2860(c) - significant modification notifications, as applicable

63.2861(a) - annual compliance certification

63.2861(b) - deviation notification report

63.2861(c) - periodic startup, shutdown, and malfunction report

63.2861(d) - immediate startup, shutdown, and malfunction report
[OAC 3745-77-07(C)(1), and 40 CFR 63 Subpart GGGG]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

Emission Limitation:
(SLF) - 0.2 gallon HAP /ton oilseed [See b)(2)a.]

Applicable Compliance Method:
Compliance shall be based on the requirements specified in b)(2)a through b)(2)c.
[OAC 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

7. P017, DTDC

Operations, Property and/or Equipment Description:

Soybean meal de-solventizing, toasting, drying, cooling - with 3 process cyclones

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 03-2231 issued December 4, 1985)	0.24 lb particulate emissions (PE) /hr, 1.05 tons PE /yr (Dryer Deck 1 cyclone) 0.28 lb PE /hr, 1.23 tons PE /yr (Dryer Deck 2 cyclone) 0.59 lb PE /hr, 2.58 tons PE /yr (DTDC cooler cyclone)
b.	OAC rule 3745-17-11(B)	none [See b)(2)a.]
c.	OAC rule 3745-17-07(A)	none [See b)(2)b.]

(2) Additional Terms and Conditions

a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Hancock County.

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

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping 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 each stack

serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
[OAC 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from any stack serving this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.
[OAC 3745-77-07(C)(1)]

f) Testing Requirements

(1) 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 approximately 2.5 years after permit issuance. The testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.

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

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

d. The emission testing shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Director (the Ohio EPA, Northwest District Office).
[OAC 3745-77-07(C)(1]

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

Personnel from the Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest District Office).
[OAC 3745-77-07(C)(1)]

(3) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

Emission Limitation:
0.24 lb PE /hr, 1.05 tons/yr (Dryer Deck 1 cyclone)
0.28 lb PE /hr, 1.23 tons/yr (Dryer Deck 1 cyclone)
0.59 lb PE /hr, 2.58 tons/yr (DTDC cooler cyclone)

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable PE limitation based on the results of emission testing. [See f)(1) and f)(2)]

Past compliance with the hourly PE limitations was demonstrated by emission testing conducted on July 25, 2002.

The annual allowable PE limitations were developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, as long as compliance with the hourly limitation is shown, compliance with the annual limitation shall be assumed.
[OAC 3745-77-07(C)(1) and PTI 03-2231]

g) Miscellaneous Requirements

(1) None.

8. P018, Fluid Bed Dryer

Operations, Property and/or Equipment Description:

Fluid bed drying, conditioning - with process cyclone, and baghouse

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 03-13224 as modified September 1, 1999)	9.50 lb particulate emissions (PE) /hr, 41.6 tons PE /yr 3.36 lb particulate matter (filterable) less than 10 microns (PM_{10}) /hr, 14.7 tons PM_{10} /yr See b)(2)a.
b.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-11(B)	See b)(2)b.

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A).

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

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the cyclone during operation of this emissions unit. 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, in inches of water, across the cyclone on a weekly basis.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range(s) specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop readings immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the cyclone is 1.0 to 6.0 inches of water.

This range(s) is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range(s) based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the range(s) will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a 'minor' permit modification.
[OAC 3745-77-07(C)(1) and PTI 03-13224]

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the cyclone was outside the acceptable range(s);

b. an identification of each incident of deviation described in e)(1)a where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(1)a where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range(s), was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(1)a where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.
[OAC 3745-77-07(C)(1) and PTI 03-13224]

f) Testing Requirements

(1) 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 3 months after the effective date of this permit. The testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE and PM_{10} (for the cyclone exhaust).

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

PE: 40 CFR, Part 60, Appendix A, Methods 1 - 5
PM_{10}: Method 201 or 201A of 40 CFR 51, Appendix M

d. The emission testing shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Director (the Ohio EPA, Northwest District Office).

[OAC 3745-77-07(C)(1]

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

Personnel from the Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest District Office).
[OAC 3745-77-07(C)(1)]

(3) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
9.50 lb PE /hr, 41.6 tons PE /yr
3.36 lb PM_{10} /hr, 14.7 tons PM_{10} /yr

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable PE and PM_{10} limitation based on the results of emission testing. [See f)(1) and f)(2)]

Past compliance with the PE and PM_{10} limitations was demonstrated by emission testing conducted on January 27, 2000.

The annual allowable limitations were developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, as long as compliance with the hourly limitation is shown, compliance with the annual limitation shall be assumed.
[OAC 3745-77-07(C)(1) and PTI 03-13224]

b. Emission Limitation:
20% opacity, as a six-minute average

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).
[OAC 3745-77-07(C)(1) and PTI 03-13224]

g) Miscellaneous Requirements

(1) None.

9. P020, Pellet Cooler

Operations, Property and/or Equipment Description:

Millfeed pellet cooler - with process cyclone

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 03-9408 issued February 28, 1996)	2.8 lb particulate emissions (PE) /hr, 12.3 tons PE /yr 1.4 lb particulate matter less than 10 microns (PM_{10}) (filterable) /hr, 6.1 tons PM_{10} /yr
b.	OAC rule 3745-17-11(B)	none [See b)(2)a.]
c.	OAC rule 3745-17-07(A)	none [See b)(2)b.]

(2) Additional Terms and Conditions

a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Hancock County.

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

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the cyclone during operation of this emissions unit. 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, in inches of water, across the cyclone on a weekly basis.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range(s) specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop readings immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the cyclone is 2.0 to 7.0 inches of water.

This range(s) is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range(s) based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the range(s) will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a 'minor' permit modification.
[OAC 3745-77-07(C)(1) and PTI 03-9408]

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the cyclone was outside the acceptable range(s);

b. an identification of each incident of deviation described in e)(1)a where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in e)(1)a where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range(s), was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in e)(1)a where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.
[OAC 3745-77-07(C)(1) and PTI 03-9408]

f) Testing Requirements

(1) 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 3 months after the effective date of this permit. The testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for PE and PM_{10}.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

PE: 40 CFR, Part 60, Appendix A, Methods 1 - 5
PM_{10}: Method 201 or 201A of 40 CFR 51, Appendix M

d. The emission testing shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Director (the Ohio EPA, Northwest District Office).

[OAC 3745-77-07(C)(1]

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

Personnel from the Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest District Office).
[OAC 3745-77-07(C)(1)]

(3) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

Emission Limitation:
2.8 lb PE /hr, 12.3 tons PE /yr
1.4 lb PM_{10} /hr, 6.1 tons PM_{10} /yr

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable PE and PM_{10} limitation based on the results of emission testing. [See f)(1) and f)(2)]

The permittee may also determine compliance with the above emission limitations by multiplying the maximum process weight rate (tons/hr) by emission factors of 0.36 lb of PE /ton and 0.18 lb PM_{10} /ton throughput (AP-42 Table 9.9.1-2 [05/98]).

The annual allowable limitations were developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, as long as compliance with the hourly limitation is shown, compliance with the annual limitation shall be assumed.

If required, the permittee shall demonstrate compliance with the lb/hr emission limitation(s) through emission tests performed in accordance with 40 CFR 60, Appendix A, Methods 1- 5 for PE, and Method 201 or 201A of 40 CFR 51, Appendix M for PM_{10}..
[OAC 3745-77-07(C)(1) and PTI 03-9408]

g) Miscellaneous Requirements

(1) None.

10. P026, Grain Cleaning, Secondary De-hulling

Operations, Property and/or Equipment Description:

Grain Cleaning, Secondary De-hulling - with process baghouse

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	15.3 lbs particulate emissions (PE) /hr
b.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse(s) during operation of this emissions unit. 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, in inches of water, across the baghouse on a weekly basis.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control

equipment within the acceptable range(s) specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop readings immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the baghouse is 0.5 to 8.0 inches of water.

This range(s) is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range(s) based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the range(s) will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a 'minor' permit modification.
[OAC 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the baghouse(s) was outside the acceptable range(s);

b. an identification of each incident of deviation described in (a) above where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in (a) where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range(s), was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in (a) where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.
[OAC 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
15.3 lbs PE /hr

Applicable Compliance Method:
Compliance with the hourly limitation may be determined by multiplying the maximum baghouse outlet concentration of 0.03 gr/dscf by the baghouse's maximum volumetric air flow rate (22,000 acfm), then multiplying by lb/7000 grains and 60 minutes/hour.

If required, compliance with the hourly allowable PE limitation shall be determined in accordance with OAC rule 3745-17-03(B)(10).
[OAC 3745-77-07(C)(1)]

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

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).
[OAC 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

11. P903, Truck unloading

Operations, Property and/or Equipment Description:

Soybean receiving - truck - with baghouse

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	11.0 lbs particulate emissions (PE) /hr
b.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
c.	OAC rule 3745-17-07(B)(1)	none [See b)(2)a.]
d.	OAC rule 3745-17-08(B)(1)	none [See b)(2)b.]

(2) Additional Terms and Conditions

a. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

b. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse(s) during operation of this emissions unit. 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, in inches of water, across the baghouse on a weekly basis.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range(s) specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop readings immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the baghouse is 1.0 to 8.0 inches of water.

This range(s) is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range(s) based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the range(s) will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a 'minor' permit modification.
[OAC 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the baghouse(s) was outside the acceptable range(s);

b. an identification of each incident of deviation described in (a) above where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in (a) where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range(s), was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in (a) where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.
[OAC 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitation:
11.0 lbs PE /hr

Applicable Compliance Method:
The permittee shall determine compliance with the above emission limitation by multiplying the maximum process weight rate (tons/hr) by an emission factor of 0.15 lb of PE/ton (AP-42 Table 9.11.1-1 [11/95]) and then multiplying by a control factor of (1 - 0.99).*

If required, compliance with the hourly allowable PE limitation shall be determined in accordance with OAC rule 3745-17-03(B)(10).

* The control efficiency of the baghouse is assumed to be 99%.
[OAC 3745-77-07(C)(1)]

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

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).
[OAC 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

12. P904, Rail unloading

Operations, Property and/or Equipment Description:

Soybean receiving - Rail, & transfer & conveying

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	none [See b)(2)a.]
b.	OAC rule 3745-17-07(A)	none [See b)(2)b.]
c.	OAC rule 3745-17-07(B)(1)	none [See b)(2)a.]
d.	OAC rule 3745-17-08(B)(1)	none [See b)(2)b.]

(2) Additional Terms and Conditions

a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Hancock County.

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

c. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

d. The facility is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.

13. Emissions Unit Group - handling, processing group: P021, P022,

EU ID	Operations, Property and/or Equipment Description
P007	Flaking rolls, with aspiration and cyclone
P008	Hull grinding, with aspiration and baghouse
P021	Bean hull separating from meats - with cyclone
P022	Flake conveyor

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-11(B)	none [See b)(2)a.]
b.	OAC rule 3745-17-07(A)	none [See b)(2)b.]

(2) Additional Terms and Conditions

a. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs / hr. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(ii), Figure II of OAC rule 3745-17-11 does not apply. Also, Table 1 does not apply because the facility is located in Hancock County.

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

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.

14. Emissions Unit Group - truck and rail load-out group: P901, P902,

EU ID	Operations, Property and/or Equipment Description
P901	Meal load-out - truck
P902	Meal load-out - rail

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI 03-13053 issued November 12, 1998)	2.14 lb particulate matter less than 10 microns (PM_{10}) (filterable)/hr, 9.39 tons PM_{10} /yr (from emissions units P901 and P902, combined) 0.84 ton fugitive PM_{10} /yr Visible fugitive particulate emissions (PE) shall not exceed 20 percent opacity, as a 3-minute average. See b)(2)a.
b.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20 percent opacity, as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-11(B)	See b)(2)b.

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) for these emissions units has been determined to be the use of a baghouse(s) for control of particulate matter.

b. The emissions limit specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). [All PE from the baghouse for this emissions unit is assumed to be PM_{10}.]

c) Operational Restrictions

(1) The permittee shall not operate emissions unit P901 and P902 simultaneously. [OAC 3745-77-07(A)(1) and PTI 03-13053]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall properly operate, and maintain equipment to continuously monitor the pressure drop, in inches of water, across the baghouse(s) during operation of this emissions unit. 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, in inches of water, across the baghouse on a weekly basis.

Whenever the monitored value for the pressure drop deviates from the range specified below, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation: the date and time the deviation began and the magnitude of the deviation at that time, the date(s) the investigation was conducted, the names of the personnel who conducted the investigation, and the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range(s) specified below, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken: a description of the corrective action, the date it was completed, the date and time the deviation ended, the total period of time (in minutes) during which there was a deviation, the pressure drop readings immediately after the corrective action, and the names of the personnel who performed the work. Investigation and records required by this paragraph does not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The acceptable range for the pressure drop across the baghouse is 1.0 to 8.0 inches of water.

This range(s) is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the range(s) based upon information obtained during future particulate emission tests that demonstrate compliance with the allowable particulate emission rate for this emissions unit. In addition, approved revisions to the range(s) will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a 'minor' permit modification.
[OAC 3745-77-07(C)(1) and PTI 03-13053]

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

a. the color of the emissions;
b. whether the emissions are representative of normal operations;

c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.
[OAC 3745-77-07(C)(1) and PTI 03-13053]

e) Reporting Requirements

(1) The permittee shall submit quarterly reports that identify the following information concerning the operation of the control equipment during the operation of this emissions unit:

a. each period of time when the pressure drop across the baghouse(s) was outside the acceptable range(s);

b. an identification of each incident of deviation described in (a) above where a prompt investigation was not conducted;

c. an identification of each incident of deviation described in (a) where prompt corrective action, that would bring the pressure drop into compliance with the acceptable range(s), was determined to be necessary and was not taken; and

d. an identification of each incident of deviation described in (a) where proper records were not maintained for the investigation and/or the corrective action.

These quarterly reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.
[OAC 3745-77-07(C)(1) and PTI 03-13053]

(2) The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit and (b) describe any corrective actions taken to eliminate the visible particulate emissions. These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.
[OAC 3745-77-07(C)(1) and PTI 03-13053]

f) Testing Requirements

(1) 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 approximately 2.5 years after permit issuance. The testing time frame(s) specified may be amended or waived for cause upon prior request of, and written approval of, the Ohio EPA Northwest District Office.

b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate for PM_{10}.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates for PM_{10}: Method 201 or 201A of 40 CFR 51, Appendix M

d. The emission testing shall be conducted while this emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Director (the Ohio EPA, Northwest District Office).

[OAC 3745-77-07(C)(1]

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

Personnel from the Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest 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 Director (the Ohio EPA, Northwest District Office).

[OAC 3745-77-07(C)(1)]

(3) Compliance with the emission limitations in b)(1) shall be determined in accordance with the following method(s):

a. Emission Limitations:
2.14 lb PM_{10} /hr, 9.39 tons PM_{10} /yr

Applicable Compliance Method:
The permittee shall demonstrate compliance with the hourly allowable PM_{10} limitation based on the results of emission testing. [See f)(1) and f)(2)]

Past compliance with the PM_{10} limitations was demonstrated by emission testing conducted on October 10, 2002. [See c)(1).]

The annual allowable limitations were developed by multiplying the hourly limitation by 8760, and then dividing by 2000. Therefore, as long as compliance with the hourly limitation is shown, compliance with the annual limitation shall be assumed.

If required, the permittee shall further demonstrate compliance with the lb/hr emission limitation(s) through emission tests performed in accordance with Method 201 or 201A of 40 CFR 51, Appendix M.
[OAC 3745-77-07(C)(1) and PTI 03-13053]

b. Emission Limitation:
0.84 ton fugitive PM_{10} /yr

Applicable Compliance Method:
The permittee shall determine compliance with the above emission limitation by multiplying the annual meal throughput (tons /yr) for either unit separately, by an emission factor of 0.176 lb of PE /ton of meal loaded /received (AP-42 Table 9.11.1-1 [11/95]), and by the portion of PE not captured by the control device (0.05), and dividing by 2000 lbs.
[OAC 3745-77-07(C)(1) and PTI 03-13053]

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

If required, compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1).
[OAC 3745-77-07(C)(1) and PTI 03-13053]

d. Emission Limitation:
Visible fugitive PE shall not exceed 20% opacity, as a three-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in “Appendix on Test Methods” in 40 CFR, Part 60 (“Standards of Performance for New Stationary Sources”), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.
[OAC 3745-77-07(C)(1) and PTI 03-13053]

g) Miscellaneous Requirements

(1) None.