



Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

5/30/2012

Mr. Marcus Cordonnier
Edon Farmers Coop
PO Box 308
205 S. Michigan
Edon, OH 43518

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0386002005
Permit Number: P0109438
Permit Type: Initial Installation
County: Williams

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb page, www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: Ohio EPA-NWDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
Edon Farmers Coop**

Facility ID:	0386002005
Permit Number:	P0109438
Permit Type:	Initial Installation
Issued:	5/30/2012
Effective:	5/30/2012
Expiration:	5/30/2022



Division of Air Pollution Control
Permit-to-Install and Operate
for
Edon Farmers Coop

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Authorization

Facility ID: 0386002005
Application Number(s): A0043722
Permit Number: P0109438
Permit Description: Grain Elevator Operations including truck receiving, transferring & conveying, truck loading, rail car loading, and grain storage pile.
Permit Type: Initial Installation
Permit Fee: \$4,100.00
Issue Date: 5/30/2012
Effective Date: 5/30/2012
Expiration Date: 5/30/2022
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Edon Farmers Coop
11715 County Road 13
Montpelier, OH 43543

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

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 this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Scott J. Nally
Director



Authorization (continued)

Permit Number: P0109438

Permit Description: Grain Elevator Operations including truck receiving, transferring & conveying, truck loading, rail car loading, and grain storage pile.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	F001
Company Equipment ID:	F001
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	F002
Company Equipment ID:	F002
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	F003
Company Equipment ID:	F003
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	F004
Company Equipment ID:	F004
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	F005
Company Equipment ID:	F005
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	F006
Company Equipment ID:	F006
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is

very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Northwest District Office in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit 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.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting¹ a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

¹Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

B. Facility-Wide Terms and Conditions

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.

C. Emissions Unit Terms and Conditions



1. F001, F001

Operations, Property and/or Equipment Description:

unpaved roadways and parking areas

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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)	2.86 tons fugitive particulate matter 10 microns or less in size (PM10)/yr no visible particulate emissions except for three minutes during any 60-minute period Best available control measures that are sufficient enough to minimize or eliminate visible emissions of fugitive dust [See b)(2)a. through b)(2)g.]
b.	OAC rule 3745-17-07 (B)	See b)(2)h.
c.	OAC rule 3745-17-08 (B)	See b)(2)i.

- (2) Additional Terms and Conditions
- a. The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:
- unpaved roadways and parking areas
all unpaved roadways and parking areas
- b. The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways with chemical stabilization as needed to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- c. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for the day to ensure compliance with the above-mentioned applicable requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- d. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking areas that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- e. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- f. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- g. Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.

of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.

- (2) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in section d)(4) above:
- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

The above information shall be provided as an attachment to the PER. If there were no day(s) and/or instance(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that all inspections were performed by the required frequency, and control measure(s) were properly implemented.

f) **Testing Requirements**

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation
2.86 tons of fugitive PM10/year

Applicable Compliance Method

This emission limitation was based on the maximum vehicle miles traveled (8,869), an 80% overall control efficiency for dust suppression, and a calculated AP-42 emission factor from Section 13.2.2-4 (11/06) for unpaved roadways (3.22 lbs PM10/VMT). Therefore, provided compliance is shown with the requirement to apply best available control measures, compliance with the annual limitation shall also be demonstrated.

- b. Emission Limitation
No visible particulate emissions except for a period of time not to exceed three minutes during any 60-minute observation period from any unpaved roadways and parking areas.

Applicable Compliance Method

If required, compliance with the visible PE limitation listed above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources").

- g) Miscellaneous Requirements
 - (1) None.



2. F002, F002

Operations, Property and/or Equipment Description:

Grain Receiving, Transferring and Conveying

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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)	<u>Truck Receiving:</u> 1.45 tons fugitive particulate matter 10 microns or less in size (PM10)/yr from truck grain receiving pits #3 & #4 Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average Control requirements [see b)(2)a.] <u>Grain Handling (Transferring and Conveying):</u> 0.13 ton fugitive particulate matter 10 microns or less in size (PM10)/yr



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Visible emissions of fugitive dust shall not exceed 0% opacity as a three-minute average Control requirements [see b)(2)a.]
b.	OAC rule 3745-17-07 (B)	See b)(2)b.
c.	OAC rule 3745-17-08 (B)	See b)(2)c.
d.	40 CFR Part 60, Subpart DD	See b)(2)d., e)(3) & f)(2)

(2) Additional Terms and Conditions

- a. Best Available Technology (BAT) requirements for this emissions unit has been determined to be:
 - i. the emission limitations and visible emission restrictions contained in b)(1)a.;
 - ii. use of a louver/baffle system for grain receiving pits #3 & #4;
 - iii. use of mineral oil and a total enclosure for grain handling (transferring & conveying); and
 - iv. use of best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust.

Note: Grain receiving operations for grain elevator operations at this facility consist of 3 truck grain receiving pits (pits #2, #3 and #4). Per OAC rule 3745-31-05 (A)(3)(a)(i), BAT is not required for grain receiving pit #2 because this air contaminant source was installed prior to January 1, 1974.

- 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. This 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).
- d. The provisions of 40 CFR Part 60 Subpart DD apply to the following operations (identified as affected facilities in 40 CFR 60.300) of this emissions unit based on construction/modification date of affected facility:

- i. Conveyor 501 A Fill;
- ii. Conveyor 501 B Fill;
- iii. Conveyor 501 C Unload; and
- iv. Conveyor 501 D Unload.

The applicable emissions limitations/control measures specified by this rule are as stringent as or less stringent than the restrictions established under OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

- (1) The permittee shall not exceed the following throughputs for individual elevator operations:
 - a. the maximum throughput for truck receiving shall not exceed 245,000 tons of grain/yr; and
 - b. the maximum throughput for grain handling (transferring & conveying) shall not exceed 735,000 tons grain per year.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the amount of material throughput for each of the following individual operations for this emissions unit, in tons per month, and total tons, to date, for the calendar year:
 - a. throughput for truck grain receiving; and
 - b. throughput for grain handling (transferring & conveying).
- (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., the louver/baffle system for grain receiving pits #3 & #4 and the total enclosure around material transferring and conveying) serving this emissions unit. The presence or absence of any visible fugitive 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 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)(1)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.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- (2) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in section d)(2):
 - a. for the louver/baffle system on truck grain receiving pits #3 & #4 and the total enclosure around grain handling (transferring & conveying) operations:
 - i. all days during which any visible fugitive particulate emissions were observed (identify the specific operation that experienced visible emissions) from the above operations as specified in d)(2); and
 - ii. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

The above information shall be provided as an attachment to the PER. If there were no day(s) and/or corrective action(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that no visible emissions were observed and no corrective actions were taken.

- (3) Pursuant to 40 CFR Part 60, Subpart A, Standards of Performance for New Stationary Sources – General Provisions (section 60.7), the permittee is hereby advised of the requirements to report the following at the appropriate times for Conveyors 501 A and 501 B Fill & Conveyors 501 C and 501 D Unload:
 - a. construction date (no later than 30 days after such date);
 - b. actual start-up date (within 15 days after such date); and
 - c. date of performance testing (if required, at least 30 days prior to testing).

- (4) In conjunction with the reporting requirements contained in e)(3), the permittee shall submit the following notifications at the appropriate times for Conveyors 501 A and 501 B Fill & Conveyors 501 C and 501 D Unload:
- a. a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in §60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice; and
 - b. A notification of the anticipated date for conducting the opacity observations required by §60.11(e)(1) of 40 CFR Part 60, Subpart A. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during a performance test. The notification shall be postmarked not less than 30 days prior to such date.

Reports are to be sent to:

Ohio EPA, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
- a. Emission Limitation
1.45 tons fugitive PM10/yr from truck grain receiving pits #3 & #4

Applicable Compliance Method
The annual fugitive PM10 limitation was developed by multiplying a maximum grain throughput of 245,000 tons/yr by an AP-42 emissions factor of 0.059 lb PM10/ton from section 9.9.1-1 (5/03), dividing by 2000 lbs/ton and applying a 80% control factor for use of a louver/baffle system. Therefore, provided compliance with the requirement for the use of a louver/baffle system and the annual grain throughput is shown, compliance with the annual emission limitation shall also be demonstrated.
 - b. Emission Limitation
0.13 ton fugitive PM10/yr from grain handling (transferring & conveying) operations

Applicable Compliance Method

The annual fugitive PM₁₀ limitation was developed by multiplying a maximum grain throughput of 735,000 tons/yr by an AP-42 emissions factor of 0.034 lb PM₁₀/ton from section 9.9.1-1 (5/03), dividing by 2000 lbs/ton and applying a 99% control factor for use mineral oil and use of total enclosure. Therefore, provided compliance with the requirements for the use of mineral oil, the use of a total enclosure, and the annual grain throughput is shown, compliance with the annual emission limitation shall also be demonstrated.

c. Emission Limitation

Visible fugitive particulate emissions from grain receiving pits #3 & #4 shall not exceed 20% opacity as a three-minute average

Applicable Compliance Method

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

d. Emission Limitation

Visible fugitive particulate emissions from any grain handling (transferring & conveying) operations shall not exceed 0% opacity as a three-minute average

Applicable Compliance Method

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

(2) Emission Testing Requirements:

- a. The permittee shall conduct, or have conducted, emission testing for the following affected facilities associated with emissions unit F002:
- i. Conveyor 501 A Fill;
 - ii. Conveyor 501 B Fill;
 - iii. Conveyor 501 C Unload; and
 - iv. Conveyor 501 D Unload.

Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Appendix A., Section 60.8 and 40 CFR Part 60, Subpart DD, or other methods and procedures as specified in section 60.303.

- b. The emissions testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control.
- c. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rate for particulate emissions (See b)(1)a.).



- d. Test Method 9 of 40 CFR Part 60, Appendix A and the procedures in 60.11 shall be used to determine opacity and demonstrate compliance with the allowable visible emissions rate.

- g) Miscellaneous Requirements
 - (1) None.



3. F003, F003

Operations, Property and/or Equipment Description:

Grain loading, trucks

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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)	0.71 ton of fugitive particulate matter less than 10 microns in size (PM/10)/yr Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average See b)(2)a.
b.	OAC rule 3745-17-07 (B)	See b)(2)b.
c.	OAC rule 3745-17-08(B)	See b)(2)c.
d.	40 CFR Part 60, Subpart DD	See b)(2)d.

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) requirements for this emissions unit has been determined to be:

- i. the use of mineral oil; and
 - ii. visible emissions restrictions.
 - 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. This 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).
 - d. 40 CFR Part 60, Subpart DD is applicable because the permanent storage capacity of the grain terminal elevator is greater than 2.5 million bushels (4,213,000 bushels). However, the provisions of 40 CFR Part 60, Subpart DD do not apply to this affected facility based on the construction/modification date.
- c) Operational Restrictions
- (1) The maximum throughput for this emissions unit shall not exceed 245,000 tons of grain per year.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain monthly records of the amount of material throughput for this emissions unit, in tons per month and total tons, to date, for the calendar year.
 - (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., the loading extensions) serving this emissions unit. The presence or absence of any visible fugitive 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 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)(2)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.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- (2) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in section d)(2):
 - a. all days during which any visible fugitive particulate emissions were observed from the egress points (i.e. the loading extensions) serving this emissions unit; and
 - b. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

The above information shall be provided as an attachment to the PER. If there were no day(s) and/or corrective action(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that no visible emissions were observed and no corrective actions were taken.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation
0.71 ton fugitive PM10/yr

Applicable Compliance Method
The annual fugitive PM10 limitation was developed by multiplying the maximum annual grain throughput of 245,000 tons by an emission factor of 0.029 lb of PM10/ton of grain (AP-42 Table 9.9.1-1 [5/03]), and applying a 80% control efficiency for use of mineral oil, then dividing by 2000 lbs/ton. Therefore, provided compliance with the requirement for mineral oil use and the annual grain throughput is shown, compliance with the annual emission limitation shall also be demonstrated.
 - b. Emission Limitation
Visible fugitive particulate emissions shall not exceed 20% opacity as a three-minute average



Applicable Compliance Method

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

- (1) None.



4. F004, F004

Operations, Property and/or Equipment Description:

Grain Loading, rail

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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)	0.05 ton of fugitive particulate matter less than 10 microns in size (PM/10)/yr Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average See b)(2)a.
b.	OAC rule 3745-17-07 (B)	See b)(2)b.
c.	OAC rule 3745-17-08(B)	See b)(2)c.
d.	40 CFR Part 60, Subpart DD	See b)(2)d.

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) requirements for this emissions unit has been determined to be:

- i. the use of mineral oil; and
 - ii. visible emissions restrictions.
 - 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. This 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).
 - d. 40 CFR Part 60, Subpart DD is applicable because the permanent storage capacity of the grain terminal elevator is greater than 2.5 million bushels (4,213,000 bushels). However, the provisions of 40 CFR Part 60, Subpart DD do not apply to this affected facility based on the construction/modification date.
- c) Operational Restrictions
- (1) The maximum throughput for this emissions unit shall not exceed 245,000 tons of grain per year.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain monthly records of the amount of material throughput for this emissions unit, in tons per month and total tons, to date, for the calendar year.
 - (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the egress points (i.e., the loading extensions) serving this emissions unit. The presence or absence of any visible fugitive 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 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)(2)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.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- (2) The permittee shall additionally identify the following information in the annual PER in accordance with the monitoring requirements in section d)(2):
 - a. all days during which any visible fugitive particulate emissions were from the egress points (i.e. the loading extensions) serving this emissions unit; and
 - b. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

The above information shall be provided as an attachment to the PER. If there were no day(s) and/or corrective action(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that no visible emissions were observed and no corrective actions were taken.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation
0.05 ton fugitive PM10/yr

Applicable Compliance Method
The annual fugitive PM10 limitation was developed by multiplying the maximum annual grain throughput of 245,000 tons by an emission factor of 0.0022 lb of PM10/ton of grain (AP-42 Table 9.9.1-1 [5/03]), and applying a 80% control efficiency for use of mineral oil, then dividing by 2000 lbs/ton. Therefore, provided compliance with the requirement for mineral oil use and the annual grain throughput is shown, compliance with the annual emission limitation shall also be demonstrated.
 - b. Emission Limitation
Visible fugitive particulate emissions shall not exceed 20% opacity as a three-minute average



Applicable Compliance Method

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

g) Miscellaneous Requirements

- (1) None.



5. F005, F005

Operations, Property and/or Equipment Description:

Grain dryer

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Row 1: a. OAC rule 3745-31-05(A)(3), as effective 11/30/2001. Grain Dryer Emissions: 1.35 tons of fugitive particulate matter less than 10 microns in size (PM10)/year. Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average. See b)(2)a. and b)(2)b. Natural Gas Combustion Emissions: 2.43 lbs of nitrogen oxides (NOx)/hour & 10.63 tons of NOx/year [see b)(2)d.]. 2.04 lbs of carbon monoxide (CO)/hour & 8.94 tons of CO/year.

b.	OAC rule 3745-31-05 (A)(3), as effective 12/1/2006	See b)(2)c.
c.	OAC rule 3745-17-07(B)	See b)(2)e.
d.	OAC rule 3745-17-08(B)	See b)(2)f.
e.	40 CFR Part 60, Subpart DD	See b)(2)g.

(2) Additional Terms and Conditions

- a. The “Best Available Technology” (BAT) requirements for this emissions unit have been determined to be:
 - i. the use of a column plate perforation with a diameter equal to or less than 0.078 inch; and
 - ii. visible emission restrictions.
- b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutant less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio’s State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.
- c. This rule paragraph applies once U.S. EPA approves December 1, 2006 version of OAC rule 3745-31-05, as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PM10 and CO emissions from this air contaminant source since the potential to emit, for PM10 and CO, taking into account controls, is less than ten tons per year.

The potential to emit fugitive PM10 for this emissions unit is 1.35 tons/yr and was determined by multiplying a maximum grain throughput of 245,000 tons/yr by an AP-42 emissions factor of 0.055 lb PM10/ton from section 9.9.1-1 (5/03), dividing by 2000 lbs/ton and applying an 80% control factor for use of mineral oil.

The potential to emit CO for this emissions unit is 8.94 tons/yr and was determined by multiplying a heat input of 24.76 mmBtu/hr by an AP-42 emissions factor of 84 lb CO/10⁶scf natural gas fired from section 1.4-1 (7/98), dividing by 1020 btu, multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

- d. NOx emission limitations established pursuant to OAC rule 3745-31-05 (A)(3), as effective 11/30/2001 will remain applicable after the above SIP revisions are approved by U.S. EPA.
 - e. 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).
 - f. This 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).
 - g. 40 CFR Part 60, Subpart DD is applicable because the permanent storage capacity of the grain terminal elevator is greater than 2.5 million bushels (4,213,000 bushels). However, the provisions of 40 CFR Part 60, Subpart DD do not apply to this affected facility based on the construction/modification date.
- c) Operational Restrictions
- (1) The maximum annual throughput for this emissions unit shall not exceed 245,000 tons of grain.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain monthly records of the amount of material throughput for this emissions unit, in tons per month and total tons, to date, for the calendar year.
- e) Reporting Requirements
- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- f) Testing Requirements
- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
 - Grain Dryer Emissions**
 - a. Emission Limitation
1.35 tons of fugitive particulate matter less than 10 microns in size (PM10)/year
 - Applicable Compliance Method
Compliance with the annual fugitive PM10 limitation was determined by multiplying the maximum annual grain throughput of 245,000 tons by an emission factor of 0.055 lb of PM10/ton of grain (AP-42 Table 9.9.1-1 [3/03]) and a control efficiency of 80%, then dividing by 2000 lbs.

b. Emission Limitation

Visible emissions of fugitive dust shall not exceed 20% opacity as a three-minute average

Applicable Compliance Method

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

Natural Gas Combustion Emissionsc. Emission Limitation

2.43 lbs of nitrogen oxides (NOx)/hour

10.63 tons of NOx/year

Applicable Compliance Method

Compliance with the hourly NOx limitation was determined by multiplying the maximum heat input of 24.76 mmBtu/hour by a conversion factor of 1 ft³/1020 Btu and an emission factor of 100 lbs of NOx/mmft³ of grain (AP-42 Section 1.4 [3/98]). If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 4 and 7.

The annual NOx limitation was determined by multiplying the allowable hourly emission rate by the maximum annual operating schedule of 8760 hours per year and dividing by 2000 lbs. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual emissions limitation shall also be demonstrated.

d. Emission Limitation

2.04 lbs of carbon monoxide (CO)/hour

8.94 tons of CO/year

Applicable Compliance Method

Compliance with the hourly CO limitation was determined by multiplying the maximum heat input of 24.76 mmBtu/hour by a conversion factor of 1 ft³/1020 Btu and an emission factor of 84 lbs of CO/mmft³ of grain (AP-42 Section 1.4 [3/98]). If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with 40 CFR, Part 60, Appendix A, Methods 1 through 4 and 10.

The annual CO limitation was determined by multiplying the allowable hourly emission rate by the maximum annual operating schedule of 8760 hours per year and dividing by 2000 lbs. Therefore, provided compliance is shown with the hourly emission limitation, compliance with the annual emissions limitation shall also be demonstrated.

g) Miscellaneous Requirements

(1) None.



6. F006, F006

Operations, Property and/or Equipment Description:

Storage pile

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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)	0.24 ton of fugitive particulate matter less than 10 microns in size (PM/10)/yr Visible fugitive particulate emissions shall not exceed 20% opacity as a three-minute average. See b)(2)a
b.	OAC rule 3745-17-07 (B)	See b)(2)b.
c.	OAC rule 3745-17-08(B)	See b)(2)c.
d.	40 CFR Part 60, Subpart DD	See b)(2)d.

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) requirements for this emissions unit has been determined to be:

- i. use of mineral oil and;
 - ii. visible emission restrictions.
 - 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. This 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).
 - d. 40 CFR Part 60, Subpart DD is applicable because the permanent storage capacity of the grain terminal elevator is greater than 2.5 million bushels (4,213,000 bushels). However, the provisions of 40 CFR Part 60, Subpart DD do not apply to this affected facility based on the construction/modification date.
- c) **Operational Restrictions**
 - (1) The permittee shall not exceed the following throughputs for individual operations associated with the grain storage pile:
 - a. the maximum throughput for grain load-in (receiving) shall not exceed 22,400 tons of grain/yr;
 - b. the maximum throughput for grain handling (transferring & conveying) shall not exceed 28,300 tons grain per year; and
 - c. the maximum throughput for grain load-out shall not exceed 22,400 tons grain/yr.
- d) **Monitoring and/or Recordkeeping Requirements**
 - (1) The permittee shall maintain monthly records of the amount of material throughput for each of the following individual operations for this emissions unit, in tons per month, and total tons, to date, for the calendar year:
 - a. throughput for grain load-in (receiving);
 - b. throughput for grain handling (transferring & conveying); and
 - c. throughput for grain load-out.
 - (2) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the grain storage operations. 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 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)(2)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.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA District Office or Local Air Agency by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit. It is recommended that the PER is submitted electronically through the Ohio EPA's "e-Business Center: Air Services" although PERs can be submitted via U.S. postal service or can be hand delivered.
- (2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in section d)(2) above:
 - a. All days during which any visible fugitive emissions were observed from this emissions unit.
 - b. Any corrective actions taken to eliminate the visible fugitive particulate emissions.

The above information shall be provided as an attachment to the PER. If there were no day(s) and/or corrective action(s) to identify as required above, the permittee shall indicate within the "Additional Information and Corrections" section of the PER that no visible emissions were observed and no corrective actions were taken.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.24 ton fugitive PM10/yr

Applicable Compliance Method:
The annual fugitive PM10 limitation was developed by summing the following:

Grain pile load-in (receiving):
multiplying a maximum annual grain throughput of 22,400 tons/yr by an emission factor of 0.059 lb PM10/ton grain, (AP-42 Table 9.9.1-1 [3/03]), applying a control efficiency of 80% for use of mineral oil, and then dividing by 2000 lbs/ton [0.13 ton fugitive PM10/yr].

Grain pile transferring and conveying:
multiplying a maximum annual grain throughput of 28,300 tons/yr by an emission factor of 0.034 lb PM10/ton grain, (AP-42 Table 9.9.1-1 [3/03]), and applying a control efficiency of 80% for use of mineral oil, then dividing by 2000 lbs/ton [0.10 ton fugitive PM10/yr].

Grain pile load-out (railcar):
multiplying a maximum annual grain throughput of 22,400 tons/yr by an emission factor of 0.0022 lb PM10/ton grain, (AP-42 Table 9.9.1-1 [3/03]), applying a control efficiency of 80% for use of mineral oil, and then dividing by 2000 lbs/ton [0.01 ton fugitive PM10/yr].

Therefore, provided compliance with the requirement for mineral oil use and the annual grain throughput is shown, compliance with the annual emission limitation shall also be demonstrated.

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

Applicable Compliance Method:
If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 9.

g) Miscellaneous Requirements

- (1) None.