



State of Ohio Environmental Protection Agency

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Columbus, OH 43216-1049

2/26/2010

Certified Mail

PHIL HULSE
CENTRAL OHIO FARMERS CO-OP, INC.
P.O. BOX 152
MT. GILEAD, OH 43338

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0159000402
Permit Number: P0105241
Permit Type: Initial Installation
County: Morrow

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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.ohio.gov/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

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

If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Central District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.ohio.gov/dapc.

Sincerely,

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

Cc: Ohio EPA-CDO

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
CENTRAL OHIO FARMERS CO-OP, INC.**

Facility ID: 0159000402
Permit Number: P0105241
Permit Type: Initial Installation
Issued: 2/26/2010
Effective: 2/26/2010
Expiration: 2/26/2020



Air Pollution Permit-to-Install and Operate
for
CENTRAL OHIO FARMERS CO-OP, INC.

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Final Permit-to-Install and Operate
Permit Number: P0105241
Facility ID: 0159000402
Effective Date: 2/26/2010

Authorization

Facility ID: 0159000402
Application Number(s): A0038009, A0039000
Permit Number: P0105241
Permit Description: Initial installation of grain and fertilizer operations at grain elevator (F001 - F008).
Permit Type: Initial Installation
Permit Fee: \$8,800.00
Issue Date: 2/26/2010
Effective Date: 2/26/2010
Expiration Date: 2/26/2020
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

CENTRAL OHIO FARMERS CO-OP, INC.
500 West Marion St.
Mount Gilead, OH 43338

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, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

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

Chris Korleski
Director



Authorization (continued)

Permit Number: P0105241

Permit Description: Initial installation of grain and fertilizer operations at grain elevator (F001 - F008).

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
Emissions Unit ID:	F007
Company Equipment ID:	F007
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	F008
Company Equipment ID:	F008
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0105241

Facility ID: 0159000402

Effective Date: 2/26/2010

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. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. 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, Central 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 submitting 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 emission 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.

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0105241

Facility ID: 0159000402

Effective Date: 2/26/2010

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

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B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0105241

Facility ID: 0159000402

Effective Date: 2/26/2010

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.



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0105241

Facility ID: 0159000402

Effective Date: 2/26/2010

C. Emissions Unit Terms and Conditions



1. F001, F001

Operations, Property and/or Equipment Description:

Grain Unloading, 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 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)	<p><u>Grain receiving operations</u> 1.28 tons of fugitive particulate emissions (PE) per year</p> <p>0.42 tons of fugitive particulate matter 10 microns in diameter or less (PM₁₀) per year</p> <p>The requirements of this rule also include compliance with OAC rule 3745-17-07(B).</p> <p>See b)(2)a.</p> <p><u>Grain transfer/conveying operations</u> 0.02 tons of PE per year</p> <p>0.01 tons of PM₁₀ per year</p> <p>Any visible fugitive PE associated with transferring/conveying operations shall not exceed 0% opacity, as a three-minute</p>



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		average See b)(2)b.
b.	OAC rule 3745-17-07(B)	Visible fugitive PE shall not exceed 20% opacity, as a three-minute average, from grain receiving operations.
c.	OAC rule 3745-17-08(B)	The emissions limitation established by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

- a. The permittee shall employ three-sided enclosures and oil applications for all grain receiving operations.
- b. The permittee shall employ fully enclosed conveyors and transfer points for all grain transferring operations.

c) Operational Restrictions

- (1) The maximum annual grain throughput for emissions unit F001 shall not exceed 56,800 tons.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the amount of grain throughput, in tons, for this emissions unit per month and for the calendar year.
- (2) The permittee shall perform daily checks of grain receiving operations, 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., building windows, doors, roof monitors, etc.) 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) 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.

- (3) The permittee shall perform daily checks, when the emissions unit is in operation, for any visible fugitive particulate emissions for the transferring/conveying operations of this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the color of the emissions;
 - b. the total duration of any visible emission incident; and
 - c. any corrective actions taken to eliminate the visible emissions.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of the terms and condition of this permit shall be determined in accordance with the following methods

- a. Emission Limitation:
1.28 tons of fugitive PE per year from grain receiving by truck

Applicable Compliance Method:

The emission limitation was developed by multiplying an AP-42 emission factor of 0.18 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 56,800 tons, a conversion factor of 1 ton/2000 lbs and applying a control efficiency of 75% for a three-sided enclosure. Therefore, provided compliance is shown with the annual grain throughput restriction, compliance with the annual limitation will be assumed.

- b. Emission Limitation:
0.42 tons of fugitive PM₁₀ per year from grain receiving by truck

Applicable Compliance Method:

The emission limitation was developed by multiplying an AP-42 emission factor of 0.059 lbs PM₁₀/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain



throughput of 56,800 tons, a conversion factor of 1 ton/2000 lbs and applying a control efficiency of 75% for a three-sided enclosure. Therefore, provided compliance is shown with the annual grain throughput restriction, compliance with the annual limitation will be assumed.

c. Emission Limitation:

Visible fugitive PE shall not exceed 20% opacity, as a three-minute average, from enclosures containing grain receiving operations.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

d. Emission Limitation:

0.02 tons of fugitive PE per year from grain transferring/conveying operations

Applicable Compliance Method:

The emission limitation was developed by multiplying an AP-42 emission factor of 0.061 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 56,800 tons, a conversion factor of 1 ton/2000 lbs and applying 99% control efficiency for a totally enclosed system. Therefore, provided compliance is shown with the annual grain throughput restriction, compliance with the annual limitation will be assumed.

e. Emission Limitation:

0.01 tons of fugitive PM₁₀ per year from grain transferring/conveying operations

Applicable Compliance Method:

The emission limitation was developed by multiplying an AP-42 emission factor of 0.034 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 56,800 tons, a conversion factor of 1 ton/2000 lbs and applying 99% control efficiency for a totally enclosed system. Therefore, provided compliance is shown with the annual grain throughput restriction, compliance with the annual limitation will be assumed.

f. Emission Limitation:

Any visible PE associated with transferring/conveying operations shall not exceed 0% opacity, as a three-minute average

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).



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g) Miscellaneous Requirements

- (1) The permittee shall install and operate a three (3) sided enclosure around Dump Pit #2 (as identified in application A0038009 and A0039000) no later than August 1, 2010. Upon completion of the three (3) sided enclosure installation, the permittee shall provide written notification that the installation is complete to Ohio EPA Central District Office, Division of Air Pollution Control.



2. F002, F002

Operations, Property and/or Equipment Description:

Grain Loadout by Truck

- 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 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)	0.12 tons of fugitive particulate emissions (PE) per year 0.04 tons of fugitive particulate matter 10 microns in diameter or less (PM ₁₀) per year The requirements of this rule also include compliance with OAC rule 3745-17-07(B). See b)(2)
b.	OAC rule 3745-17-07(B)	Visible fugitive PE shall not exceed 20% opacity, as a three-minute average, from grain receiving operations.
c.	OAC rule 3745-17-08(B)	The emissions limitation established by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3)..



(2) Additional Terms and Conditions

- a. The permittee shall apply a mineral oil spray at a minimum rate of 1 gallon of mineral oil per 1,000 bushels of grain .
- b. The permittee shall employ adjustable spouts during the loading of grain to trucks.
- c. For the purposes of this permit to install and operate, a "truck" is defined as any on-road or farm vehicle, or vehicle trailer being used to haul grain to or from this facility.

c) Operational Restrictions

- (1) The maximum annual grain throughput for this emissions unit shall not exceed 56,800 tons.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the total amount of grain throughput, in tons, for this emissions unit per month and 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., building windows, doors, roof monitors, etc.) 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) 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) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of the terms and condition of this permit shall be determined in accordance with the following methods:

a. Emission Limitation

0.12 tons of fugitive particulate emissions (PE) per year

Applicable Compliance Method

The emission limitation was established by multiplying the AP-42 emission factor of 0.086 lbs PE per ton of grain (Section 9.9.1 (March 2003)) by a maximum annual throughput of 56,800 tons of grain, multiplying by a conversion factor of 1 ton per 2,000 pounds and applying control efficiencies of 75% and 80% for the adjustable spouts and mineral oil control measures (see b)(2)a.). Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

b. Emission Limitation

0.04 tons of fugitive particulate matter 10 microns in diameter (PM₁₀) per year

Applicable Compliance Method

The emission limitation was established by multiplying the AP-42 emission factor of 0.029 lbs PM₁₀ per ton of grain (Section 9.9.1 (March 2003)) by a maximum annual throughput of 56,800 tons of grain, multiplying by a conversion factor of 1 ton per 2,000 pounds and applying control efficiencies of 75% and 80% for the adjustable spouts and mineral oil control measures (see b)(2)a.). Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

c. Emission Limitation:

Visible fugitive PE shall not exceed 20% opacity, as a three-minute average, from grain loadout by truck operations.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

g) Miscellaneous Requirements

- (1) None.



3. F003, F003

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 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)	6.25 tons fugitive particulate emissions (PE) per year 13.79 lbs fugitive particulate emissions (PE) per hour 1.56 tons particulate matter 10 microns in diameter or less (PM ₁₀) per year 3.45 lbs particulate matter 10 microns in diameter or less (PM ₁₀) per hour Visible fugitive PE shall not exceed 10% opacity, as a three-minute average 1.286 tons oxides of nitrogen (NO _x) per year 2.84 lbs oxides of nitrogen (NO _x) per hour 0.01 ton oxides of sulfur (SO _x) per year



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		0.012 lbs oxides of sulfur (SO _x) per hour 0.02 ton volatile organic compounds (VOCs) per year 0.057 lbs volatile organic compounds (VOCs) per hour 0.77 ton carbon monoxide (CO) per year 1.70 lbs carbon monoxide (CO) per hour See b)(2)(a).
b.	OAC rule 3745-17-07(B)	The emissions limitation established by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-08(B)	The emissions limitation established by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The "Best Available Technology" (BAT) control requirement for PE from this emissions unit has been determined to be the use of column plate perforation with a diameter equal to or less than 0.094 inches.

c) Operational Restrictions

(1) The emissions unit shall only operate a maximum of 905.9 hours annually.

(2) The permittee shall use only natural gas as fuel in this emissions unit.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records of the total amount of grain throughput, in tons, for this emissions unit per month and for the calendar year.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.



f) Testing Requirements

(1) Compliance with the emission limitations in Section b)(1) of the terms and condition of this permit shall be determined in accordance with the following methods:

- a. Emission Limitation
13.79 lbs fugitive PE per hour

Applicable Compliance Method

The emission limitation was established by multiplying an AP-42 emission factor of 0.22 lb PE/ton grain (Section 9.9.1 (March 2003)) by the maximum hourly grain throughput of 62.7 tons. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

- b. Emission Limitation
6.25 tons fugitive PE per year

Applicable Compliance Method

The emission limitation was established by multiplying an AP-42 emission factor of 0.22 lb PE/ton grain (Section 9.9.1 (March 2003)) by the maximum annual grain throughput of 56,800 tons and multiplying by a conversion factor of 1 ton per 2,000 pounds. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

- c. Emission Limitation
3.45 lbs fugitive PM₁₀ per hour

Applicable Compliance Method

The emission limitation was established by multiplying an AP-42 emission factor of 0.055 lb PM₁₀/ton grain (Section 9.9.1 (March 2003)) by the maximum hourly grain throughput of 62.7 tons. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

- d. Emission Limitation
1.56 tons fugitive PM₁₀ per year

Applicable Compliance Method

The emission limitation was established by multiplying an AP-42 emission factor of 0.055 lb PM₁₀/ton grain (Section 9.9.1 (March 2003)) by the maximum annual grain throughput of 56,800 tons and multiplying by a conversion factor of 1 ton per 2,000 pounds. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

- e. Emission Limitation
2.84 lbs NO_x per hour



Applicable Compliance Method

The emission limitation was established by multiplying the 3-02-900-03 SCC emission factor of 140 lb NO_x/MMcuft natural gas by the British Thermal Unit (BTU) capacity of the burner and dividing by the specific gravity of natural gas.

- f. Emission Limitation
1.286 tons NO_x per year

Applicable Compliance Method

The emission limitation was established by multiplying the 3-02-900-03 SCC emission factor of 140 lb NO_x/MMcuft natural gas by the British Thermal Unit (BTU) capacity of the burner and dividing by the specific gravity of natural gas and multiplying by a conversion factor of 905.9 hours per 1 year and 1 ton per 2,000 pounds. The conversion factor of 905.9 hours per 1 year is based on the voluntary annual grain restriction of 56,800 tons per year and divided by the maximum hourly throughput of the dryer of 62.7 tons (2,090 bushels).

- g. Emission Limitation
0.012 lbs SO_x per hour

Applicable Compliance Method

The emission limitation was established by multiplying the 3-02-900-03 SCC emission factor of 0.60 lb SO_x/MMcuft natural gas by the British Thermal Unit (BTU) capacity of the burner and dividing by the specific gravity of natural gas.

- h. Emission Limitation
0.01 ton SO_x per year

Applicable Compliance Method

The emission limitation was established by multiplying the 3-02-900-03 SCC emission factor of 0.60 lb SO_x/MMcuft natural gas by the British Thermal Unit (BTU) capacity of the burner and dividing by the specific gravity of natural gas and multiplying by a conversion factor of 905.9 hours per 1 year and 1 ton per 2,000 pounds.

- i. Emission Limitation
0.057 lbs VOC per hour

Applicable Compliance Method

The emission limitation was established by multiplying the 3-02-900-03 SCC emission factor of 2.80 lb VOC/MMcuft natural gas by the British Thermal Unit (BTU) capacity of the burner and dividing by the specific gravity of natural gas.

- j. Emission Limitation
0.02 ton VOC per year

Applicable Compliance Method

The emission limitation was established by multiplying the 3-02-900-03 SCC emission factor of 2.80 lb VOC/MMcuft natural gas by the British Thermal Unit (BTU) capacity of the burner and dividing by the specific gravity of natural gas



and multiplying by a conversion factor of 905.9 hours per 1 year and 1 ton per 2,000 pounds.

- k. Emission Limitation
1.70 lbs CO per hour

Applicable Compliance Method

The emission limitation was established by multiplying an AP-42 emission factor of 84 lb/MMcuft (Table 1.4-1 (July 1998)) by the British Thermal Unit (BTU) capacity of the burner and dividing by the specific gravity of natural gas.

- l. Emission Limitation
0.77 ton CO per year

Applicable Compliance Method

The emission limitation was established by multiplying an AP-42 emission factor of 84 lb/MMcuft (Table 1.4-1 (July 1998)) by the British Thermal Unit (BTU) capacity of the burner and dividing by the specific gravity of natural gas and multiplying by a conversion factor of 905.9 hours per 1 year and 1 ton per 2,000 pounds.

- g) Miscellaneous Requirements

- (1) None.



4. F004, F004

Operations, Property and/or Equipment Description:

Fertilizer Unloading

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 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)	0.08 tons fugitive particulate emissions (PE) per year The requirements of this rule also include compliance with OAC rule 3745-17-07(B). See b)(2)a.
b.	OAC rule 3745-17-07(B)	Visible fugitive particulate emissions shall not exceed 20%, as a three-minute average.
c.	OAC rule 3745-17-08(B)	The emissions limitation established by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of granular raw materials.



c) Operational Restrictions

- (1) The maximum annual receiving rate from this emissions unit shall not exceed 4,000 tons of fertilizer.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the amount of grain throughput, in tons, for this emissions unit per month and 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., building windows, doors, roof monitors, etc.) 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) 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) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of the terms and condition of this permit shall be determined in accordance with the following methods:



- a. Emission Limitation
0.08 ton fugitive PE per year

Applicable Compliance Method

The emission limitation was established by multiplying an emission factor from Ohio EPA's Reasonably Available Control Measures (RACM) for Fugitive Dust Sources (September 1980, pg. 2-282, Table 2.12-1) of 0.2 lbs PE/ton of production by a maximum annual throughput of 4,000 tons, multiplying by a conversion factor of ton/2000 lbs and applying a control efficiency of 80%. Therefore, provided compliance is shown with the maximum annual fertilizer throughput, compliance with the annual limitation will be assumed.

- b. Emission Limitation
Visible emissions of fugitive dust shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method

If required, compliance shall be determined through visible emission observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

g) Miscellaneous Requirements

- (1) None.



5. F005, F005

Operations, Property and/or Equipment Description:

Grain Loadout by 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 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)	0.04 tons of fugitive particulate emissions (PE) per year 0.01 tons of fugitive particulate matter 10 microns in diameter or less (PM ₁₀) per year The requirements of this rule also include compliance with OAC rule 3745-17-07(B). See b)(2)a.
b.	OAC rule 3745-17-07(B)	Visible fugitive PE shall not exceed 20% opacity, as a three-minute average, from grain receiving operations.
	OAC rule 3745-17-08(B)	The emissions limitation established by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).



(2) Additional Terms and Conditions

- a. The permittee shall apply a mineral oil spray at 1 gallon of mineral oil per 1,000 bushels of grain.
- b. The permittee shall employ adjustable spouts during the loadout of grain to railcars.

c) Operational Restrictions

- (1) The maximum annual grain throughput for this emissions unit shall not exceed 56,800 tons.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the amount of grain throughput, in tons, for this emissions unit per month and 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., building windows, doors, roof monitors, etc.) 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) 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) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of the terms and condition of this permit shall be determined in accordance with the following methods:

Emission Limitation

0.04 tons of fugitive particulate emissions (PE) per year

Applicable Compliance Method

The emission limitation was established by multiplying the AP-42 emission factor of 0.027 lbs PE per ton of grain (Section 9.9.1 (March 2003)) by a maximum annual throughput of 56,800 tons of grain, multiplying by a conversion factor of 1 ton per 2,000 pounds and applying control efficiencies of 75% and 80% for the adjustable spouts and mineral oil control measures (see b)(2)a.). Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

a. Emission Limitation

0.01 tons of fugitive particulate matter 10 microns in diameter (PM₁₀) per year

Applicable Compliance Method

The emission limitation was established by multiplying the AP-42 emission factor of 0.0022 lbs PM₁₀ per ton of grain (Section 9.9.1 (March 2003)) by a maximum annual throughput of 56,800 tons of grain, multiplying by a conversion factor of 1 ton per 2,000 pounds and applying control efficiencies of 75% and 80% for the adjustable spouts and mineral oil control measures (see b)(2)a.). Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

b. Emission Limitation:

Visible fugitive PE shall not exceed 20% opacity, as a three-minute average, from grain loadout by rail operations.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3)

g) Miscellaneous Requirements

- (1) None.



6. F006, F006

Operations, Property and/or Equipment Description:

Fertilizer Loadout

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 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)	0.08 ton fugitive particulate emissions (PE) per year The requirements of this rule also include compliance with OAC rule 3745-17-07(B). See b)(2)a.
b.	OAC rule 3745-17-07(B)	Visible fugitive PE shall not exceed 20%, as a three-minute average.
c.	OAC rule 3745-17-08(B)	The emissions limitation established by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of granular raw materials.



c) Operational Restrictions

- (1) The maximum annual loading rate from this emissions unit shall not exceed 4,000 tons of fertilizer.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain records of the amount of grain throughput, in tons, for this emissions unit per month and 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., building windows, doors, roof monitors, etc.) 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) 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) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

f) Testing Requirements

- (1) Compliance with the emission limitations in Section b)(1) of the terms and condition of this permit shall be determined in accordance with the following methods:



- a. Emission Limitation
0.08 ton PE per year

Applicable Compliance Method

The emission limitation was established by multiplying an emission factor from Ohio EPA's Reasonably Available Control Measures (RACM) for Fugitive Dust Sources (September 1980, pg. 2-282, Table 2.12-1) of 0.2 lbs PE/ton of production by a maximum annual throughput of 4,000 tons and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual fertilizer throughput, compliance with the annual limitation will be assumed.

- b. Emission Limitation
Visible emissions of fugitive dust shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method

If required, compliance shall be determined through visible emission observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

- g) Miscellaneous Requirements

- (1) None.



7. F007, F007

Operations, Property and/or Equipment Description:

Fertilizer mixing/blending

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 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)	0.4 ton fugitive particulate emissions (PE) per year The requirements of this rule also include compliance with OAC rule 3745-17-07(B). See b)(2)a.
b.	OAC rule 3745-17-07(B)	Visible fugitive PE shall not exceed 20%, as a three-minute average.
c.	OAC rule 3745-17-08(B)	The emissions limitation established by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of a building enclosure.



- c) Operational Restrictions
 - (1) The maximum annual mixing rate from emissions unit F007 shall not exceed 4,000 tons of fertilizer.

- d) Monitoring and/or Recordkeeping Requirements
 - (1) The permittee shall maintain records of the amount of grain throughput, in tons, for this emissions unit per month and 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., building windows, doors, roof monitors, etc.) 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) 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) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

- f) Testing Requirements
 - (1) Compliance with the emission limitations in Section b)(1) of the terms and condition of this permit shall be determined in accordance with the following methods:



- a. Emission Limitation
0.4 ton PE per year

Applicable Compliance Method

The emission limitation was established by multiplying an emission factor from Ohio EPA's Reasonably Available Control Measures (RACM) for Fugitive Dust Sources (September 1980, pg. 2-282, Table 2.12-1) of 0.2 lbs PE/ton of production by a maximum annual throughput of 4,000 tons and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual fertilizer throughput, compliance with the annual limitation will be assumed.

- b. Emission Limitation
Visible PE of fugitive dust shall not exceed 20% opacity, as a 3-minute average, from the fertilizer mixing operations

Applicable Compliance Method

If required, compliance shall be determined through visible emission observations performed in accordance U.S. EPA Method 9 and the procedures specified in OAC rule 3745-17-03(B)(3).

- g) Miscellaneous Requirements
 - (1) None.



8. F008, F008

Operations, Property and/or Equipment Description:

Unpaved Roadways

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 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.

(2)

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	0.20 tons/ year of fugitive particulate matter of 10 microns or less (PM10) 0.69 tons/year of fugitive particulate emissions (PE) No visible PE except for 3 minutes during any 60-minute period Best available control measures that are sufficient to minimize or eliminate visible PE of fugitive dust (See b)(2)a. through b)(2)f.)
b.	OAC rule 3745-17-07(B)	The emissions limitation established by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B)	The emissions limitation established by this rule is less stringent than the



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		emissions limitation established pursuant to OAC rule 3745-31-05(A)(3).

(3) Additional Terms and Conditions

- a. The unpaved roadway segments that are subject to the terms and conditions of this permit are listed below:

<u>Identification:</u>	<u>Description:</u>	<u>Road segment length:</u>
A	Plant Roadway	0.25 miles

- 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 application, the permittee has committed to treat the unpaved roadways and parking areas by application of chemical stabilization/dust suppressants and/or watering at sufficient treatment frequencies 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 unpaved roadways and parking areas that are covered with snow and/or ice or if precipitation has occurred that is sufficient for that 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. 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.
- e. Any unpaved roadway or parking area that is subsequently paved, will require a PTIO for paved roadways and parking areas.
- f. 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.
- 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.

c) Operational Restrictions

- (1) None.



d) Monitoring and/or Recordkeeping Requirements

- (1) Except as otherwise provided in this section, the permittee shall perform inspections of each of the roadway segments and parking areas in accordance with the following frequencies:

unpaved roadways

minimum inspection frequency

all roadways

once during each day of operation

- (2) The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above-identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

- (3) The permittee shall maintain records of the following information:

- a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
- b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
- c. the dates the control measures were implemented; and
- d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in d)(3)d. shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.

f) Testing Requirements

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



a. Emission Limitations:

0.69 tons/year of fugitive PE

Applicable Compliance Method:

The emission limitation was established by calculating the total emissions from the unpaved roadway and parking area.

The total emissions were based on the following:

The AP-42 emission factor is calculated by using the equation in AP-42's Chapter 13 Section 2.2 (dated 11/2006):

$$E = k (s/12)^a(W/3)^b$$

where E = particulate emission factor (having same units as k)

k = 4.9 lb/VMT (based on Table 13.2.2-2. for which PM₃₀ is assumed equivalent to PE)

a = 0.7

b = 0.45

s = silt content (weight %)

W = average weight (in tons) of the vehicles driving the road

The permittee shall demonstrate compliance by multiplying the AP-42 emission factor, E, with the respective maximum vehicle miles traveled per year (VMT/yr), a control efficiency of 95% and conversion factor of 1 ton/2000 lbs as follows:

<u>Type of Vehicle</u>	<u>W (tons)</u>	<u>s (%)</u>	<u>VMT/yr</u>
Semis and straight trucks	20.34	10	2469
Fertilizer spreader and tender trucks	13.88	10	266

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual limitation will be assumed.

b. Emission Limitations:

0.20 tons fugitive PM₁₀/yr from the unpaved roadway segments

Applicable Compliance Method:

The emission limitation was established by calculating the total emissions from the unpaved roadway and parking area.

The total emissions were based on the following:

The AP-42 emission factor is calculated by using the equation in AP-42's Chapter 13 Section 2.2 (dated 11/2006):

$$E = k (s/12)^a(W/3)^b$$



where E = particulate emission factor (having same units as k)
k = 1.5 lb/VMT (based on Table 13.2.2-2. for PM₁₀)
a = 0.9
b = 0.45
s = silt content (weight %)
W = average weight (in tons) of the vehicles driving the road

The permittee shall demonstrate compliance by multiplying the AP-42 emission factor, E, with the respective maximum vehicle miles traveled per year (VMT/yr), a control efficiency of 95% and a conversion factor of 1 ton/2000 lbs as follows:

<u>Type of Vehicle</u>	<u>W (tons)</u>	<u>s (%)</u>	<u>VMT/yr</u>
Semis and straight trucks	20.34	10	2469
Fertilizer spreader and tender trucks	13.88	10	266

Therefore, provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual limitation will be assumed.

c. Emission Limitation:

No visible PE from unpaved roadways except for a period of time not to exceed three minutes during any 60-minute observation period.

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.