State of Ohio Environmental Protection Agency

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Columbus, Ohio 43215

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www.epa.state.oh.us

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

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7/24/2009

KEITH MARTIN
Advanced Agri-Solutions Coop., Inc.
P. O. Box 360
601 Logan St.
WAPAKONETA, OH 45895

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0575000001
Permit Number: P0104929
Permit Type: Renewal
County: Shelby

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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/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, Southwest District Office. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA-SWDO

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

FINAL

Air Pollution Permit-to-Install and Operate
for
Advanced Agri-Solutions Coop., Inc.

Facility ID: 0575000001
Permit Number: P0104929
Permit Type: Renewal
Issued: 7/24/2009
Effective: 7/24/2009
Expiration: 7/24/2019

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
for
Advanced Agri-Solutions Coop., Inc.

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Authorization

Facility ID: 0575000001
Application Number(s): A0037525
Permit Number: P0104929
Permit Description: PTIO Renewal for emissions units F002;F003;F004;;F006;F013;P901;P902; and P907
Permit Type: Renewal
Permit Fee: $0.00
Issue Date: 7/24/2009
Effective Date: 7/24/2009
Expiration Date: 7/24/2019
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Advanced Agri-Solutions Coop., Inc.
400 W WALNUT ST
Botkins, OH 45306

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, Southwest District Office
401 East Fifth Street
Dayton, OH 45402
(937)285-6357

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: P0104929
Permit Description: PTIO Renewal for emissions units F002;F003;F004;;F006;F013;P901;P902; and P907

Permits for the following emissions unit(s) or groups of emissions units are in this document as indicated below:

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:	GRAIN TERMINAL ROADWAYS
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F006**
Company Equipment ID:	RAILCAR LOADING STATION
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**F013**
Company Equipment ID:	371,200 bushels storage capacity grain bin
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P901**
Company Equipment ID:	GRAIN UNLOADING STATIONS
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P902**
Company Equipment ID:	GRAIN TRANSFERRING, CONVEYING, CLEANING
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**P907**
Company Equipment ID:	Shipping Truck
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. 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, Southwest 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.

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. F002, Back Terminal Hopper Truck Unloading w/ three sided enclosure

Operations, Property and/or Equipment Description:

Back Terminal Hopper Truck Unloading w/ three sided enclosure

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)	4.2 pounds of Particulate Emissions (PE) per hour. 0.96 pounds of PM10 per hour. 20 percent opacity as a three-minute average. See Sections c)(1), f)(1)a. and f)(1)b., below.
b.	OAC rule 3745-31-05(F) (Voluntary Limitation)	1.48 tons fugitive particulate emissions (PE) per 12-month rolling period. 0.34 tons of fugitive particulate matter of 10 microns or less (PM10) per rolling 12-month period. See Sections c)(2), d)(1), d)(2), e)(1), e)(2), and f)(1)a. thru c., below.
c.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is equal to/or less stringent than the

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-17-11(B)(1)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The hourly PE and PM10 emission limitations were established to reflect the maximum potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

b. The permittee 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).

c) Operational Restrictions

(1) The emissions unit shall be equipped with a three sided enclosure which shall be operated and maintained in such a manner to minimize or eliminate the release of fugitive particulate emissions.

(2) The maximum amount of grain through the back terminal shall not exceed 211,500 tons per rolling 12-month period.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack and for any visible fugitive PE from the egress points (ie., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operational log. If visible emissions are observed, the permittee shall also note the following in the operational 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.

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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

a. The amount of grain processed through the back grain terminal, in tons; and

b. the rolling, 12-month total grain processed through the back grain terminal, in tons. The rolling, 12-month summation of the total grain processed through the back grain terminal, in tons ("a") plus the total amount of grain processed through the back grain terminal, in tons, for the 11 previous calendar months**.**

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.

(2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(1) above:

a. all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

(1) Compliance with the emissions limitations specified in Section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation

4.20 pounds of fugitive PE per hour

The allowable emissions limitation is based on the following formula:

$$HER = [(PTH\ x\ EF) x\ (1 - Ce)]$$

Where:

HER = Hourly Emission Rate, in pounds per hour;
PTH = Potential Throughput per hour, in tons/hour; (300 tons per hour, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.035 lbs/ton, hopper trucks); and
Ce = Control efficiency, 60% (0.60), (from facility's application data).

Applicable Compliance Method:

Compliance shall be assumed based on the maximum capacity of this equipment is 300 tons per hour and the three sided enclosure is maintained and properly employed.

b. Emission Limitation

0.96 pounds of fugitive PM10 per hour

The allowable emissions limitation is based on the following formula:

$$HER = [(PTH\ x\ EF)x\ (1 - Ce)]$$

Where:

HER = Hourly Emission Rate, in pounds per hour;
PTH = Potential Throughput per hour, in tons/hour; (300 tons per hour, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.008 lbs/ton, hopper trucks); and
Ce = Control efficiency, 60% (0.60), (from facility's application data).

Applicable Compliance Method:

Compliance shall be assumed based on the maximum capacity of this equipment is 300 tons per hour and the three sided enclosure is maintained and properly employed.

c. Emission Limitation

1.48 tons of fugitive PE per 12-month rolling period

The allowable emissions limitation is based on the following formula:

$$AER = \frac{[(PTY\ x\ EF)x\ (1 - Ce)]}{2000}$$

Where:

AER = Annual Emission Rate, in tons per year;
PTY = Potential Throughput per year, in tons/year; (211,500 tons per year, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.035 lbs/ton, hopper trucks); and
Ce = Control efficiency, 60% (0.60), (from facility's application data).

Applicable Compliance Method:

Compliance shall be demonstrated by the recordkeeping in section d)(2), of this permit. As long as the throughput is maintained below the potential as stated in the applicants permit application and the enclosure is properly maintained and employed, it will be assumed that this operations particulate emissions are in compliance with the above allowable.

d. Emission Limitation

0.34 tons of fugitive PM10 per 12-month rolling period

The allowable emissions limitation is based on the following formula:

$$AER = \frac{[(PTY\ x\ EF)x\ (1 - Ce)]}{2000}$$

Where:

AER = Annual Emission Rate, in tons per year;
PTY = Potential Throughput per year, in tons/year; (211,500 tons per year, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.008 lbs/ton, hopper trucks); and
Ce = Control efficiency, 60% (0.60), (from facility's application data).

Applicable Compliance Method:

Compliance shall be demonstrated by the recordkeeping in section d)(2), of this permit. As long as the throughput is maintained below the potential as stated in the applicants permit application and the enclosure is properly maintained and employed, it will be assumed that this operations PM10 are in compliance with the above allowable.

e. Emission Limitation

Visible particulate emissions from fugitive dust shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method

The monitoring and recordkeeping under section d)(1) will be employed to monitor fugitive dust emissions and indicate if additional controls will need to be implemented. If requested, Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

g) Miscellaneous Requirements

(1) None.

2. F003, Back Terminal Truck Loud out

Operations, Property and/or Equipment Description:

Back Terminal Truck Loud out

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)	1.55 pounds of Particulate Emissions (PE) per hour. 0.52 pounds of PM10 per hour. 20 percent opacity as a three-minute average. See Sections c)(1), f)(1)a. and f)(1)b., below.
b.	OAC rule 3745-31-05(F) (Voluntary Limitation)	0.45 tons fugitive particulate emissions (PE) per 12-month rolling period. 0.15 tons of fugitive particulate matter of 10 microns or less (PM10) per rolling 12-month period. See Sections c)(2), d)(1), d)(2), e)(1), e)(2), and f)(1)a. thru c., below.
c.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is equal to/or less stringent than the

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-17-11(B)(1)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The hourly PE and PM10 emission limitations were established to reflect the maximum potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

b. The permittee 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).

c) Operational Restrictions

(1) The emissions unit shall be equipped with an adjustable chute and employee mineral oil as a dust suppressant in such a manner to minimize or eliminate the release of fugitive particulate emissions.

(2) The maximum amount of grain through the back terminal shall not exceed 211,500 tons per rolling 12-month period.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack and for any visible fugitive PE from the egress points (ie., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operational log. If visible emissions are observed, the permittee shall also note the following in the operational 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.

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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

a. The amount of grain processed through the back grain terminal, in tons; and

b. the rolling, 12-month total grain processed through the back grain terminal, in tons. The rolling, 12-month summation of the total grain processed through the back grain terminal, in tons ("a") plus the total amount of grain processed through the back grain terminal, in tons, for the 11 previous calendar months**.**

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.

(2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(1) above:

a. all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

(1) Compliance with the emissions limitations specified in Section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation

1.55 pounds of fugitive PE per hour

The allowable emissions limitation is based on the following formula:

$$HER = [(PTH\ x\ EF) x\ (1 - Ce1)\ x\ (1 - Ce2)]$$

Where:

HER = Hourly Emission Rate, in pounds per hour;
PTH = Potential Throughput per hour, in tons/hour; (360 tons per hour, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.086 lbs/ton, hopper trucks);
Ce1 = Control efficiency, 80% (0.80), (mineral oil, from facility's application data); and

Ce2 = Control efficiency, 75% (0.75), (adjustable chute, from facility's application data).

Applicable Compliance Method:

Compliance shall be assumed based on the maximum capacity of this equipment is 360 tons per hour and the proper use of adjustable chute and mineral oil as dust suppressant.

b. Emission Limitation

1.55 pounds of fugitive PE per hour

The allowable emissions limitation is based on the following formula:

$$HER = [(PTH\ x\ EF) x\ (1 - Ce1)\ x\ (1 - Ce2)]$$

Where:

HER = Hourly Emission Rate, in pounds per hour;
PTH = Potential Throughput per hour, in tons/hour; (360 tons per hour, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.029 lbs/ton, hopper trucks);
Ce1 = Control efficiency, 80% (0.80), (mineral oil, from facility's application data); and
Ce2 = Control efficiency, 75% (0.75), (adjustable chute, from facility's application data).

Applicable Compliance Method:

Compliance shall be assumed based on the maximum capacity of this equipment is 360 tons per hour and the proper use of adjustable chute and mineral oil as dust suppressant.

c. Emission Limitation

0.45 tons of fugitive PE per 12-month rolling period

The allowable emissions limitation is based on the following formula:

$$AER = \frac{[(PTY\ x\ EF) x\ (1 - Ce1)\ x\ (1 - Ce2)]}{2000}$$

Where:

AER = Annual Emission Rate, in tons per year;
PTY = Potential Throughput per year, in tons/year; (211,500 tons per year, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.086 lbs/ton, hopper trucks);

Ce1 = Control efficiency, 80% (0.80), (mineral oil, from facility's application data); and
Ce2 = Control efficiency, 75% (0.75), (adjustable chute, from facility's application data).

Applicable Compliance Method:

Compliance shall be demonstrated by the recordkeeping in section d)(2), of this permit. As long as the throughput is maintained below the potential as stated in the applicants permit application, the adjustable chute is maintained and employed, and mineral oil is used as a dust suppressant it will be assumed that this operations particulate emissions are in compliance with the above allowable.

d. Emission Limitation

0.15 tons of fugitive PM10 per 12-month rolling period

The allowable emissions limitation is based on the following formula:

$$AER = \frac{[(PTY\ x\ EF)x\ (1 - Ce1)\ x\ (1 - Ce2)]}{2000}$$

Where:

AER = Annual Emission Rate, in tons per year;
PTY = Potential Throughput per year, in tons/year; (211,500 tons per year, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.029 lbs/ton, hopper trucks);
Ce1 = Control efficiency, 80% (0.80), (mineral oil, from facility's application data); and
Ce2 = Control efficiency, 75% (0.75), (adjustable chute, from facility's application data).

Applicable Compliance Method:

Compliance shall be demonstrated by the recordkeeping in section d)(2), of this permit. As long as the throughput is maintained below the potential as stated in the applicants permit application, the adjustable chute is maintained and employed, and mineral oil is used as a dust suppressant it will be assumed that this operations particulate emissions are in compliance with the above allowable

e. Emission Limitation

Visible particulate emissions from fugitive dust shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method

The monitoring and recordkeeping under section d)(1) will be employed to monitor fugitive dust emissions and indicate if additional controls will need to be implemented. If requested, Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

g) Miscellaneous Requirements

(1) None.

3. F004, GRAIN TERMINAL ROADWAYS

Operations, Property and/or Equipment Description:

GRAIN TERMINAL 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.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-17-07(B)(11)(e)	Exempt See Section b)(2)a., below.
b.	OAC rule 3745-17-08	Exempt See Section b)(2)b., below.

(2) Additional Terms and Conditions

a. The permittee is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-07(B)(11)(e), the visible particulate emission limitations specified in paragraphs (B)(1) of this rule shall not apply.

b. The permittee 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).

c) Operational Restrictions

(1) This emission unit shall be operated and maintained in manner that prevents the creation of a public nuisance

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) None.

g) Miscellaneous Requirements

(1) None.

4. F006, BACK TERMINAL RAILCAR LOAD OUT STATION

Operations, Property and/or Equipment Description:

BACK TERMINAL RAILCAR LOAD OUT STATION

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)	Particulate Emissions (PE) shall not exceed 2.9 pounds per hour. Particulate matter of 10 microns or less (PM10) shall not exceed 1.55 pounds per hour. 20 percent opacity as a three-minute average. See Sections c)(1), f)(1)a. and f)(1)b., below.
b.	OAC rule 3745-31-05(F) (Voluntary Limitation)	Particulate Emissions (PE) shall not exceed 0.45 tons per rolling 12 month period. Particulate matter of 10 microns or less (PM10) shall not exceed 0.15 tons per rolling 12 month period. See Sections c)(2), d)(1), d)(2), e)(1),

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		e)(2), and f)(1)a. thru c., below.
c.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is equal to/or less stringent than the visible PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-17-11(B)(1)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The hourly PE and PM10 emission limitations were established to reflect the maximum potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

b. The permittee 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).

c) Operational Restrictions

(1) The emissions unit shall be equipped with an adjustable chute and employee mineral oil as a dust suppressant in such a manner to minimize or eliminate the release of fugitive particulate emissions.

(2) The maximum amount of grain through the back terminal shall not exceed 211,500 tons per rolling 12-month period.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack and for any visible fugitive PE from the egress points (ie., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operational log. If visible emissions are observed, the permittee shall also note the following in the operational 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.

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less

frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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

a. The amount of grain processed through the back grain terminal, in tons; and

b. the rolling, 12-month total grain processed through the back grain terminal, in tons. The rolling, 12-month summation of the total grain processed through the back grain terminal, in tons ("a") plus the total amount of grain processed through the back grain terminal, in tons, for the 11 previous calendar months**.**

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.

(2) The permittee shall identify the following information in the annual permit evaluation report in accordance with the monitoring requirements for visible emissions in term number d)(1) above:

a. all days during which any visible fugitive particulate emissions were observed from the egress points (i.e., building windows, doors, roof monitors, etc.) serving this emissions unit; and

b. any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions.

[OAC rule 3745-15-03(B)(2)] and [OAC rule 3745-15-03(D)]

f) Testing Requirements

(1) Compliance with the emissions limitations specified in Section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation

2.90 pounds of fugitive PE per hour

The allowable emissions limitation is based on the following formula:

$$HER = [(PTH\ x\ EF) x\ (1 - Ce1)\ x\ (1 - Ce2)]$$

Where:

HER = Hourly Emission Rate, in pounds per hour;
PTH = Potential Throughput per hour, in tons/hour; (675 tons per hour, from facility's application);

EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.086 lbs/ton, hopper trucks);
Ce1 = Control efficiency, 80% (0.80), (mineral oil, from facility's application data); and
Ce2 = Control efficiency, 75% (0.75), (adjustable chute, from facility's application data).

Applicable Compliance Method:

Compliance shall be assumed based on the maximum capacity of this equipment is 675 tons per hour and the proper use of adjustable chute and mineral oil as dust suppressant.

b. Emission Limitation

1.55 pounds of fugitive PE per hour

The allowable emissions limitation is based on the following formula:

$$HER = [(PTH\ x\ EF)x\ (1 - Ce1)\ x\ (1 - Ce2)]$$

Where:

HER = Hourly Emission Rate, in pounds per hour;
PTH = Potential Throughput per hour, in tons/hour; (360 tons per hour, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.029 lbs/ton, hopper trucks);
Ce1 = Control efficiency, 80% (0.80), (mineral oil, from facility's application data); and
Ce2 = Control efficiency, 75% (0.75), (adjustable chute, from facility's application data).

Applicable Compliance Method:

Compliance shall be assumed based on the maximum capacity of this equipment is 675 tons per hour and the proper use of adjustable chute and mineral oil as dust suppressant.

c. Emission Limitation

0.45 tons of fugitive PE per 12-month rolling period

The allowable emissions limitation is based on the following formula:

$$AER = \frac{[(PTY\ x\ EF)x\ (1 - Ce1)\ x\ (1 - Ce2)]}{2000}$$

Where:

AER = Annual Emission Rate, in tons per year;

PTY = Potential Throughput per year, in tons/year; (211,500 tons per year, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.086 lbs/ton, hopper trucks);
Ce1 = Control efficiency, 80% (0.80), (mineral oil, from facility's application data); and
Ce2 = Control efficiency, 75% (0.75), (adjustable chute, from facility's application data).

Applicable Compliance Method:

Compliance shall be demonstrated by the recordkeeping in section d)(2), of this permit. As long as the throughput is maintained below the potential as stated in the applicants permit application, the adjustable chute is maintained and employed, and mineral oil is used as a dust suppressant it will be assumed that this operations particulate emissions are in compliance with the above allowable.

d. Emission Limitation

0.15 tons of fugitive PM10 per 12-month rolling period

The allowable emissions limitation is based on the following formula:

$$AER = \frac{[(PTY\ x\ EF) x\ (1 - Ce1)\ x\ (1 - Ce2)]}{2000}$$

Where:

AER = Annual Emission Rate, in tons per year;
PTY = Potential Throughput per year, in tons/year; (211,500 tons per year, from facility's application);
EF = Emission factor, in of PM emitted per ton of grain processed, (AP-42 Table 9.9.1-1, 0.029 lbs/ton, hopper trucks);
Ce1 = Control efficiency, 80% (0.80), (mineral oil, from facility's application data); and
Ce2 = Control efficiency, 75% (0.75), (adjustable chute, from facility's application data).

Applicable Compliance Method:

Compliance shall be demonstrated by the recordkeeping in section d)(2), of this permit. As long as the throughput is maintained below the potential as stated in the applicants permit application, the adjustable chute is maintained and employed, and mineral oil is used as a dust suppressant it will be assumed that this operations particulate emissions are in compliance with the above allowable

e. Emission Limitation

Visible particulate emissions from fugitive dust shall not exceed 20 percent opacity as a three-minute average.

Applicable Compliance Method

The monitoring and recordkeeping under section d)(1) will be employed to monitor fugitive dust emissions and indicate if additional controls will need to be implemented. If requested, Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

g) Miscellaneous Requirements

(1) None.

5. F013, Back Terminal Grain Handling, Conveying, and Storage

Operations, Property and/or Equipment Description:

Back Terminal Grain Handling, Conveying, and Storage

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) and PTI 05-11293	Particulate emissions shall not exceed 4.7 pounds per hour. Visible emissions of fugitive dust shall not exceed 10 percent opacity as a 3-minute average. See sections c)(1), d)(1), e)(2), and f)(1)a and c., below
b.	OAC rule 3745-31-05(F) (Voluntary Limitation)	The particulate emissions shall not exceed 0.6 tons per rolling 12-month period. See sections c)(2), d)(2), e)(1), e)(2), and f)(1)b., below.
c.	OAC rule 3745-17-07	This visible emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05 (A)(3).
d.	OAC rule 3745-17-11 (B)	This emissions limitation specified by this rule is less stringent than the emissions

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

(2) Additional Terms and Conditions

a. The emissions limitation of 4.7 pounds per hour is based upon potential-to-emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limitation,

c) Operational Restrictions

(1) The permittee shall apply mineral oil or similar type of dust suppressant onto the grain during the transferring and conveying of the grain through this emissions unit.

(2) The maximum amount of grain through the back terminal shall not exceed 211,500 tons per rolling 12-month period.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible PE from the stack and for any visible fugitive PE from the egress points (ie., building windows, doors, roof monitors, etc.) serving this emissions unit. The presence or absence of any visible emissions shall be noted in an operational log. If visible emissions are observed, the permittee shall also note the following in the operational 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.

The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned frequencies for performing the visible emissions checks if operating experience indicates that less frequent visible emissions checks would be sufficient to ensure compliance with the above-mentioned applicable requirements.

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

a. The amount of grain processed through the back grain terminal, in tons; and

b. the rolling, 12-month total grain processed through the back grain terminal, in tons. The rolling, 12-month summation of the total grain processed through the back grain terminal, in tons ("a") plus the total amount of grain processed through the back grain terminal, in tons, for the 11 previous calendar months.

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 emissions limitations in section b)(1) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitation

4.7 pounds of particulate emissions per hour

The allowable emissions limitation is based on the following formula:

$$HER = \left[(\mathrm{MG})\mathrm{x}\left(56\frac{\mathrm{lbs}}{\mathrm{bu}}\right)\mathrm{x}\left(\frac{\mathrm{ton}}{2{,}000}\mathrm{lbs}\right)\mathrm{x}\,(\mathrm{EF1})\,\mathrm{x}\,(1-\mathrm{Ce1}\,)\right] + [(\mathrm{MG})\mathrm{x}\left(56\frac{\mathrm{lbs}}{\mathrm{bu}}\right)\mathrm{x}\left(\frac{\mathrm{ton}}{2{,}000}\mathrm{lbs}\right)\mathrm{x}\,(\mathrm{EF2})\,\mathrm{x}\,(1-\mathrm{Ce2}\,)]$$

Where:

HER = Hourly emission rate, in pounds per hour;

MG = maximum grain throughput in bushels per hour: 30,000 bu/hr (assume 1 bushel =56 lbs.)

EF = emissions factor from AP-42, 5th Edition, Volume I, Table 9.9. 1-1:

i. EF1= 0.061 lb PE/ton, grain transferring and handling;

ii. EF2= 0.025 lbs PE/ton, grain storage vents.

Ce = particulate emissions capture efficiencies:

i. Ce1= enclosure and mineral oil usage 99%, (from application); and

ii. Ce2= mineral oil on stored grain 80%, (from application).

Applicable Compliance Method:

Compliance shall be assumed based on the maximum capacity of this equipment is 300 tons per hour and the proper use on mineral oil dust suppressants.

b. Emissions Limitation -

0.6 tons of particulate emissions per year

The allowable emissions limitation is based on the following formula:

$$AER = \frac{[(\mathrm{MG})\mathrm{x}\ (\mathrm{EF1})\ \mathrm{x}\ (1 - \mathrm{Ce1}\ )] + [(\mathrm{MG})\mathrm{x}\ (\mathrm{EF2})\ \mathrm{x}\ (1 - \mathrm{Ce2}\ )]}{2000}$$

Where:

AER = Annual emission rate, in tons per year;

MG = 211,500 tons per year;

EF = emissions factor from AP-42, 5th Edition, Volume I, Table 9.9. 1-1:

i. EF1= 0.061 lb PE/ton, grain transferring and handling;

ii. EF2= 0.025 lbs PE/ton, grain storage vents.

Ce = particulate emissions capture efficiencies:

iii. Ce1= enclosure and mineral oil usage 99%, (from application); and

iv. Ce2= mineral oil on stored grain 80%, (from application).

Applicable Compliance Method:

Compliance shall be assumed based on the maximum capacity of this equipment is 300 tons per hour and the proper use on mineral oil dust suppressants.

c. Emission Limitation

Visible emissions of fugitive dust shall not exceed 10 percent opacity as a 3-minute average.

Applicable Compliance Method

The monitoring and recordkeeping under section d)(1) will be employed to monitor fugitive dust emissions and indicate if additional controls will need to be implemented. If requested, Compliance shall be determined through visible emission observations performed in accordance with U.S. EPA Method 9.

g) Miscellaneous Requirements

(1) None

6. P901, FRONT TERMINAL TRUCK UNLOADING STATIONS

Operations, Property and/or Equipment Description:

FRONT TERMINAL TRUCK UNLOADING STATIONS

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 3745-15-07	See c)(1).
b.	OAC rule 3745-17-07(A)	See b)(2)b.
c.	OAC rule 3745-17-08(B),	See b)(2)a.

(2) Additional Terms and Conditions

a. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

b. Since OAC rules 3745-17-08 and 3745-17-11 do not apply, emissions unit is exempt from the requirements under OAC rule 3745-17-07.

c) Operational Restrictions

(1) This emission unit shall be operated and maintained in manner that prevents the creation of a public nuisance

d) Monitoring and/or Recordkeeping Requirements

(1) None.

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) None.

g) Miscellaneous Requirements

(1) None.

7. P902, FRONT TERMINAL GRAIN TRANSFERRING, CONVEYING, CLEANING

Operations, Property and/or Equipment Description:

FRONT TERMINAL GRAIN TRANSFERRING, CONVEYING, CLEANING

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 3745-15-07	See c)(1).
b.	OAC rule 3745-17-07(A)	See b)(2)b.
c.	OAC rule 3745-17-08(B),	See b)(2)a.

(2) Additional Terms and Conditions

a. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

b. Since OAC rules 3745-17-08 and 3745-17-11 do not apply, emissions unit is exempt from the requirements under OAC rule 3745-17-07.

c) Operational Restrictions

(1) This emission unit shall be operated and maintained in manner that prevents the creation of a public nuisance

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d) Monitoring and/or Recordkeeping Requirements

(1) None.

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) None.

g) Miscellaneous Requirements

(1) None.

8. P907, FRONT TERMINAL TRUCK LOAD OUT

Operations, Property and/or Equipment Description:

FRONT TERMINAL TRUCK LOAD OUT

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 3745-15-07	See c)(1).
b.	OAC rule 3745-17-07(A)	See b)(2)b.
c.	OAC rule 3745-17-08(B),	See b)(2)a.

(2) Additional Terms and Conditions

a. This emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08, therefore, the requirements of OAC rule 3745-17-08(B), which requires the installation of reasonably available control measures to prevent fugitive dust, do not apply to this emissions unit pursuant to OAC rule 3745-17-08(A)(1).

b. Since OAC rules 3745-17-08 and 3745-17-11 do not apply, emissions unit is exempt from the requirements under OAC rule 3745-17-07.

c) Operational Restrictions

(1) This emission unit shall be operated and maintained in manner that prevents the creation of a public nuisance one.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

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) None.

g) Miscellaneous Requirements

(1) None.