



State of Ohio Environmental Protection Agency

**RE: PERMIT TO INSTALL  
LICKING COUNTY**

Street Address:  
1800 WaterMark Drive  
Columbus, OH 43215-1099

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

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

**Application No: 01-7876**

**DATE:** April 7, 1999

Coshocton Grain Company  
Todd Willeke  
PO Box 606  
Coshocton, OH 43812

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

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

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

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

Very truly yours,

A handwritten signature in black ink that reads "Thomas G. Rigo". The signature is written in a cursive, slightly slanted style.

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA  
Ohio EPA, Central District Office, DAPC



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Application Number: 01-7876

Permit  
Title

APS Premise Number: 0145000376

Number:

Permit Fee: **\$1600.00**

Name of Facility: Coshocton Grain Company

Person to Contact: Todd Willeke

Address: PO Box 606

Coshocton, OH 43812

Location of proposed air contaminant source(s) [emissions unit(s)]:

**129 West O'Neil Drive**

**Hebron, OHIO**

Description of proposed emissions unit(s):

**GRAIN RECEIVING, TRANSFERRING AND SHIPPING, PAVED AND UNPAVED ROADWAYS AND PARKING.**

Date of Issuance: April 7, 1999

Issuance:

Effective Date: April 7, 1999

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) 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 above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

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Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. Permit to Install General Terms and Conditions

#### 1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### 2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### 3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### 4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon

the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

#### **10. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

#### **11. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

#### **12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

#### **13. Source Operation and Operating Permit Requirements After Completion of**

Coshocton Grain Company  
PTI Application: 01-7876  
April 7, 1999

Facility ID: 0145000376

**Construction**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

**14. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**15. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

**B. Permit to Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)  
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	19.45

**PART II: SPECIAL TERMS AND CONDITIONS**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paved roadways and parking areas (see Section A.2.a)	OAC rule 3745-31-05	1.34 tons particulate matter per year; no visible particulate emissions except for one (1) minute during any 60-minute period;  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c, and A.2.e through A.2.i);
Unpaved roadways and parking areas (see Section A.2.b)	OAC rule 3745-31-05	2.10 tons particulate matter per year; no visible particulate emissions except for three (3) minutes during any 60-minute period;  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.i).

**2. Additional Terms and Conditions**

- a. The paved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

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**Cosho**  
PTI A<sub>1</sub>  
**April 7, 1999**

Emissions Unit ID: **F001**

paved roadways:

All paved roadways

paved parking areas:

All paved parking areas

- b. The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

unpaved roadways:

All unpaved roadways

unpaved parking areas:

All unpaved parking areas

- c. The permittee shall employ best available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the paved roadways and parking areas by whatever methods are necessary at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. 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. The permittee shall treat the unpaved roadways and parking areas by whatever methods are necessary at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. 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 a paved or unpaved 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. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- f. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of

certain types of dust suppressants, may be controlled with the control measure(s) specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.

- g. 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.
- h. 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.
- i. 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.

**B. Operational Restrictions**

None.

**C. Monitoring and/or Recordkeeping Requirements**

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

<u>Roadway and/or parking area</u>	<u>Minimum inspection frequency</u>
paved roadways and parking areas	daily
unpaved roadways and parking areas	daily

- 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

Emissions Unit ID: **F001**

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 may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.
4. 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 4.d. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

#### **D. Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and,
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

#### **E. Testing Requirements**

1. Compliance with the emission limitation for the paved and unpaved roadways and parking areas identified 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," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.
2. Emission Limitation:  
  
3.44 tons particulate matter per year

Applicable Compliance Method:

The above limitation shall be based on the equations found in AP-42, 13.2.1 and 13.2.2.

**F. Miscellaneous Requirements**

None.

**PART II: SPECIAL TERMS AND CONDITIONS [Continued]**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Grain Receiving	OAC rule 3745-17-08 OAC rule 3745-17-07(B)  OAC rule 3745-31-05	These rules are not applicable as per OAC rule 3745-17-08(A)(1) and OAC rule 3745-17-07(B)(7)(e), facility is located in a non-appendix A area;  Particulate emissions shall not exceed 36 pounds per hour and 10.44 ton per year;  Visible particulate emissions shall not exceed twenty percent (%) opacity as a three-minute average;  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see section A.2.a ).

**2. Additional Terms and Conditions**

- a. The permittee shall install or use equipment to adequately enclose, contain, capture, and control the fugitive dust. Such equipment shall reduce the fugitive particulate emissions such that the permittee shall comply with the permitted limits and the requirement that visible particulate emissions shall not exceed twenty percent (20%) opacity as a three-minute average.
- b. The permittee shall conduct daily observations while the truck unloading is in operation to determine if visible particulate emissions are being emitted.

**B. Operational Restrictions**

None.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain the following monthly records when the emissions unit is in operation.
  - a. the permittee shall maintain monthly records of the total quantity of grain received;
  - b. the date of each observation where it was determined by the permittee that it was necessary to implement further control measures;
  - c. the dates the control measures were implemented; and,
  - d. the name of the person reporting each observation.

**D. Reporting Requirements**

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each month during which an inspection was not performed by the required frequency; and,
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the

General Terms and Conditions of this permit.

#### **E. Testing Requirements**

Emission Limitation

Particulate emissions shall not exceed 36 pounds per hour and 10.44 tons per year;

Applicable Compliance Method

The emission limit of 36 lbs per hour of particulate matter and 10.44 tons of particulate matter per year was determined using an emission factor from AP-42, the emission factor for Grain Receiving. The emission factor is 0.18 lb of particulate matter per ton of grain unloaded. The calculations used to determine the permitted emissions limits are as follows:

$0.18 \text{ (lb particulate/ton grain unloaded)} \times 200 \text{ (tons maximum grain unloaded/hour)} = 36 \text{ pounds particulate per hour}$

$0.18 \text{ (lb particulate/ton grain unloaded)} \times 116,000 \text{ (tons maximum grain unloaded/year)} \times 1 \text{ ton/2000 lb} = 10.44 \text{ tons particulate matter per year}$

These limitations represent the potential to emit of the emissions unit, therefore no recordkeeping requirements are necessary to show compliance with the hourly emissions limits.

Emission Limitation

Visible particulate emissions shall not exceed twenty percent (%) opacity as a three-minute average.

Applicable Compliance Method

OAC rule 3745-17-03 (B)(3)

#### **F. Miscellaneous Requirements**

None.

**PART II: SPECIAL TERMS AND CONDITIONS [Continued]**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Grain Transfer	OAC rule 3745-17-08 OAC rule 3745-17-07(B)  OAC rule 3745-31-05	These rules are not applicable as per OAC rule 3745-17-08(A)(1) and OAC rule 3745-17-07(B)(7)(e), facility is located in a non-appendix A area;  Particulate emissions shall not exceed 12.2 pounds per hour and 3.54 tons per year;  Visible particulate emissions shall not exceed twenty percent (%) opacity as a three-minute average;  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Section A.2.a-b).

**2. Additional Terms and Conditions**

- a. The permittee shall install or use equipment to adequately enclose, contain, capture, and control the fugitive dust. Such equipment shall reduce the fugitive particulate emissions such that the permittee shall comply with the permitted limits and the requirement that visible particulate emissions shall not exceed twenty percent (20%) opacity as a three-minute average.

- b. The grain transfer shall have mineral oil applied at all times in order to minimize or eliminate visible emissions of fugitive dust.
- c. The permittee shall conduct monthly observations while the grain transfer is in operation to determine if visible particulate emissions are being emitted.

**B. Operational Restrictions**

None.

**C. Monitoring and/or Recordkeeping Requirements**

- 1. The permittee shall maintain the following monthly records when the emissions unit is in operation:
  - a. each day during which application of mineral oil did not take place; and,
  - b. the permittee shall maintain monthly records of the total quantity of grain transferred.

**D. Reporting Requirements**

- 1. The permittee shall submit deviation reports that identify the following occurrence:
  - a. each day during which application of mineral oil was not applied to grain.
- 2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

**E. Testing Requirements**

Emission Limitation

Particulate emissions shall not exceed 12.2 pounds per hour and 3.54 tons per year.

Applicable Compliance Method

The emission limits of 12.2 lbs per hour of particulate matter and 3.54 tons of particulate matter per year were determined using an emission factor from AP-42, the emission factor for Grain Transfer. The

emission factor is 0.061 lb of particulate matter per ton of grain transferred. The calculations used to determine the permitted emissions limits are as follows:

$$0.061 \text{ (lb particulate/ton grain unloaded)} \times 200 \text{ (tons maximum grain transferred/hour)} \times 0.5 \text{ (controlled)} \\ = 12.2 \text{ pounds particulate per hour}$$
$$0.061 \text{ (lb particulate/ton grain unloaded)} \times 116,000 \text{ (tons maximum grain transferred/year)} \times 1 \text{ ton/2000} \\ \text{lbs} \times 0.5 \text{ (controlled)} = 3.54 \text{ tons particulate matter per year}$$

These limitations represent the potential to emit of the emissions unit, therefore no recordkeeping requirements are necessary to show compliance with the hourly emissions limits.

#### Emission Limitation

Visible particulate emissions shall not exceed twenty percent (%) opacity as a three-minute average.

#### Applicable Compliance Method

OAC rule 3745-17-03 (B)(3)

#### **F. Miscellaneous Requirements**

None.

**PART II: SPECIAL TERMS AND CONDITIONS [Continued]**

**A. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Grain Loading	OAC rule 3745-17-08 OAC rule 3745-17-07(B)  OAC rule 3745-31-05	These rules are not applicable as per OAC rule 3745-17-08(A)(1) and OAC rule 3745-17-07(B)(7)(e), facility is located in a non-appendix A area;  Particulate emissions shall not exceed 17.2 pounds per hour and 2.04 tons per year;  Visible particulate emissions shall not exceed twenty percent (%) opacity as a three-minute average;  Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see section A.2.a ).

2. **Additional Terms and Conditions**

- a. The permittee shall install or use equipment to adequately enclose, contain, capture, and control the fugitive dust. Such equipment shall reduce the fugitive particulate emissions such that the permittee shall comply with the permitted limits and the requirement that visible particulate emissions shall not exceed twenty percent (20%) opacity as a

three-minute average.

- b. The permittee shall conduct monthly observations while the truck or railcar loading is in operation to determine if visible particulate emissions are being emitted.

**B. Operational Restrictions**

None.

**C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain the following monthly records when the emissions unit is in operation
  - a. the permittee shall maintain monthly records of the total quantity of grain loaded;
  - b. the date of each observation where it was determined by the permittee that it was necessary to implement further control measures;
  - c. the dates the control measures were implemented; and,
  - d. the name of the person reporting each observation.

**D. Reporting Requirements**

1. The permittee shall submit deviate reports that identify any of the following occurrences:
  - a. each month during which an inspection was not performed by the required frequency; and,
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

**E. Testing Requirements**

Emission Limitation

Particulate emissions shall not exceed 17.2 pounds per hour and 2.04 tons per year.

Applicable Compliance Method

The emission limits of 17.2 lbs per hour of particulate matter and 2.04 tons of particulate matter per year were determined using emission factors from AP-42, the emission factors for Grain Loading. The emission factors for particulate matter are 0.027 lb per ton of grain loaded to a railcar and 0.086 lb per ton of grain loaded to a truck. The calculations used to determine the permitted emissions limits are as follows:

$0.086 \text{ (lb particulate/ton grain loaded)} \times 200 \text{ (tons maximum grain loaded/hour)} = 17.2 \text{ pounds particulate per hour}$

$0.086 \text{ (lb particulate/ton grain loaded)} \times 16,000 \text{ (tons maximum grain loaded/year)} \times 1 \text{ ton/2000 lbs} = 0.688 \text{ ton particulate matter per year}$

$0.027 \text{ (lb particulate/ton grain loaded)} \times 100,000 \text{ (tons maximum grain loaded/year)} \times 1 \text{ ton/2000 lbs} = 1.35 \text{ tons particulate matter per year}$

Add 0.688 and 1.35 to get a total of 2.04 tons particulate matter per year.

These limitations represent the potential to emit of the emissions unit, therefore no recordkeeping requirements are necessary to show compliance with the hourly emissions limits.

#### Emission Limitation

Visible particulate emissions shall not exceed twenty percent (%) opacity as a three-minute average.

#### Applicable Compliance Method

OAC rule 3745-17-03 (B)(3)

#### **F. Miscellaneous Requirements**

None.