



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
KNOX COUNTY**

CERTIFIED MAIL

Street Address:

50 West Town Street, Suite 700

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center
P.O. Box 1049

Application No: 01-12198

Fac ID: 0142010176

DATE: 4/24/2008

Central Ohio Farmers Coop
Philip Pearce
502 West Gambier Street
Mount Vernon, OH 43050

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

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

Sincerely,

Michael W. Ahern, Manager
Permit Issuance and Data Management Section
Division of Air Pollution Control

CC: USEPA

CDO



**Permit To Install
Terms and Conditions**

**Issue Date: 4/24/2008
Effective Date: 4/24/2008**

FINAL PERMIT TO INSTALL 01-12198

Application Number: 01-12198
Facility ID: 0142010176
Permit Fee: **\$5000**
Name of Facility: Central Ohio Farmers Coop
Person to Contact: Philip Pearce
Address: 502 West Gambier Street
Mount Vernon, OH 43050

Location of proposed air contaminant source(s) [emissions unit(s)]:
**508 West Vine Street
Mount Vernon, Ohio**

Description of proposed emissions unit(s):
Grain terminal.

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

Chris Korleski
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

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 (i.e., postmarked) quarterly by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

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

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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)

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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 cannot meet the requirements of this permit 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 cannot meet the requirements of this permit 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 Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

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.

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13. Source Operation and Operating Permit Requirements After Completion of 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 ninety (90) 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	4.1

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PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**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.

Operations, Property, and/or Equipment - (F001) - Grain load-in and handling operations

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
grain load-in	
OAC rule 3745-31-02(A)	Emissions of fugitive particulate matter (PM) from grain load-in activities shall not exceed 1.9 tons per year. See A.2.a below
OAC rule 3745-17-08	See A.2.b below
OAC rule 3745-17-07	See A.2.c below
OAC rule 3745-15-07	See A.2.d below
grain handling	
OAC rule 3745-31-02(A)	Emissions of fugitive particulate matter (PM) from grain handling activities shall not exceed 0.3 tons per year. See A.2.a below
OAC rule 3745-17-08	See A.2.b below
OAC rule 3745-17-07	See A.2.c below
OAC rule 3745-15-07	See A.2.d below

2. Additional Terms and Conditions

- 2.a Permit to Install 01-12198 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):
 - a. Use of a three-sided enclosure to minimize or eliminate emissions of fugitive dust at all times during load-in activities;

- b. Use of a grain receiving pit control system (cyclone and baghouse in series) with a control efficiency of 90% to minimize or eliminate emissions of fugitive dust from the receiving hopper at all times during load-in activities;
- c. Use of mineral oil to minimize or eliminate emissions of fugitive dust from load-in activities at all times when loading corn into the facility; and
- d. Use of a total enclosure around each grain handling leg or conveyor to eliminate emissions of fugitive dust.

Note: For the purposes of this permit to install, a "truck" is defined as any on-road or farm vehicle, or vehicle trailer used to haul grain to or from this facility.

- 2.b** This emissions unit is exempt from the visible particulate emission limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.
- 2.c** 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).
- 2.d** Except as provided in paragraph (B) of this rule, the emission or escape into the open air from any source or sources whatsoever, of smoke, ashes, dust, dirt, grime, acids, fumes, gases, vapors, odors, or any other substances or combinations of substances, in such manner or in such amounts as to endanger the health, safety or welfare of the public, or cause unreasonable injury or damage to property, is hereby found and declared to be a public nuisance. It shall be unlawful for any person to cause, permit or maintain any such public nuisance.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, grain, grain dust and/or other material from paved streets onto which such material has been deposited by truck unloading activities, wind entrainment or other means.

B. Operational Restrictions

1. The maximum throughput for this emissions unit shall not exceed 63,300 tons as a rolling, 12-month summation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount of grain throughput (in tons) per month and total tons of grain throughput to date for the previous rolling, 12-month period.
2. Prior to each instance of grain load-in to the facility, the permittee shall perform checks to ensure that the rear door of the three-sided enclosure is closed. If the rear door of the three-sided enclosure is not closed prior to any instance of grain load-in to the facility, the permittee shall take any necessary corrective action and shall record the following in an operations log:
 - a. the date and time that grain was dumped into the pit when the rear door of the three sided enclosure was not closed;
 - b. the amount of grain dumped into the pit when the rear door of the three sided enclosure was not closed, in tons;
 - c. the reason that the rear door of the three-sided enclosure was not closed; and
 - d. any corrective action needed to ensure that the rear door of the three-sided enclosure is closed prior to the load-in of grain to the facility.
3. The permittee shall perform daily checks, when the emissions unit is in operation, to verify that the grain receiving pit control system is operating and that the cyclone collection drum has been emptied. If the grain receiving pit control system is not operating or the cyclone collection drum has not been emptied prior to load-in activities, the permittee shall take any necessary corrective action and shall record the following in an operations log:
 - a. the date and time that the grain receiving pit control system was not operating;
 - b. the amount of grain dumped into the grain receiving pit when the grain receiving pit control system was not operating;
 - c. the reason that the grain receiving pit control system was not operating; and
 - d. any corrective action needed to ensure that the grain receiving pit control system is operating during the load-in of grain to the facility.
4. The permittee shall perform daily checks, when the emissions unit is in operation, to

verify that enclosures around grain handling system legs or conveyors are intact and in good operating condition. If the grain handling system enclosures are not intact or not in good operating condition, the permittee shall take any necessary corrective action and shall record the following in an operations log:

- a. the date and time it was discovered that any grain handling system enclosure was not intact or not in good operating condition;
- b. the amount of grain handled by the grain handling system when any grain handling system enclosure was not intact or in good operating condition;
- c. the reason that any grain handling system enclosure was not intact or in good operating condition; and
- d. any corrective action needed to ensure that the grain handling system enclosures are intact and in good operating condition during the handling of grain at the facility.

D. Reporting Requirements

1. The permittee shall submit annual reports which identify any exceedance of the annual grain throughput limitation, as well as the corrective actions that were taken to achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report, which states that no deviations from the annual grain throughput limitation occurred during that calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit reports which (a) identify any instance that the rear door of the three-sided enclosure is not closed prior to any instance of grain load-in to the facility, (b) identify any instance that the grain receiving pit control system is not operating during load-in activities and (c) identify any instance that any grain handling system enclosures is not intact or in good operating condition during grain handling activities. These reports shall be submitted to the Ohio EPA, Central District Office by September 30, October 31, November 30 and December 31 of each year and cover the previous respective monthly period.

E. Testing Requirements

1. Compliance with the emissions limitations established in section A.1 of these terms and conditions shall be determined in accordance with the following methods:

Emissions Unit ID: **F001**

- a. Emissions limitation: Emissions of fugitive particulate matter (PM) from grain load-in activities shall not exceed 1.9 tons per year.

Applicable compliance method: The permittee shall demonstrate compliance by multiplying an AP-42 emissions factor of 0.18 lb PM/ton grain (AP-42, Chapter 9.9.1 (March 2003)), a maximum annual grain throughput of 63,300 tons per year, applying a control efficiency of 67.5% (90% control for the grain pit control system, 75% capture for a 3-sided enclosure) and multiplying by a conversion factor of 1 ton/2000 pounds:

$(63,300 \text{ tons per year} * 0.18 \text{ lb/ton}) * (1-0.675) * [1/ 2000 \text{ pounds/ton}] = 1.9 \text{ tons PM per year.}$

- b. Emissions Limitation: Emissions of fugitive particulate matter (PM) from grain handling activities shall not exceed 0.3 tons per year.

Applicable compliance method: The permittee shall demonstrate compliance by multiplying an AP-42 emissions factor of 0.061 lb PM/ton grain (AP-42, Chapter 9.9.1 (March 2003)), a maximum annual grain throughput of 63,300 tons per year, applying a control efficiency of 95% (for totally enclosed conveyors) and multiplying by a conversion factor of 1 ton/2000 pounds:

$(63,300 \text{ tons per year} * 3 \text{ transfers} * 0.061 \text{ pounds/ton}) * (1-0.95) * [1/ 2000 \text{ pounds per ton}] = 0.3 \text{ tons per year}$

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**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.

Operations, Property, and/or Equipment - (F002) - Grain load-out operations, truck and rail load-out

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-02(A)	Emissions of fugitive particulate matter (PM) from grain load-out activities shall not exceed 0.7 tons per year. See A.2.a below
OAC rule 3745-17-08	See A.2.b below
OAC rule 3745-17-07	See A.2.c below
OAC rule 3745-15-07	See A.2.d below

2. Additional Terms and Conditions

- 2.a Permit to Install 01-12198 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):
 - a. Use of adjustable loading spouts for grain load out to rail cars to minimize or eliminate visible emissions of fugitive dust;
 - b. Use of adjustable loading spouts and/or chokes for grain load out to trucks to minimize or eliminate visible emissions of fugitive dust;
 - c. Use of mineral oil to minimize or eliminate visible emissions of fugitive dust as needed during load-out of corn to rail cars or trucks; and
 - d. Adjust grain feed rate to loading conveyors to minimize or eliminate visible emissions of fugitive dust during load out of grain to rail cars or

trucks.

Note: For the purposes of this permit to install, a "truck" is defined as any on-road or farm vehicle, or vehicle trailer being used to haul grain to or from this facility.

- 2.b** This emissions unit is exempt from the visible particulate emission limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.
- 2.c** 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).
- 2.d** Except as provided in paragraph (B) of this rule, the emission or escape into the open air from any source or sources whatsoever, of smoke, ashes, dust, dirt, grime, acids, fumes, gases, vapors, odors, or any other substances or combinations of substances, in such manner or in such amounts as to endanger the health, safety or welfare of the public, or cause unreasonable injury or damage to property, is hereby found and declared to be a public nuisance. It shall be unlawful for any person to cause, permit or maintain any such public nuisance.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, grain, grain dust and/or other material from paved streets onto which such material has been deposited by truck or rail loading activities, wind entrainment or other means.

B. Operational Restrictions

- 1. The maximum throughput for this emissions unit shall not exceed 63,300 tons as a rolling, 12-month summation.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the amount of grain throughput (in tons) per month and total tons of grain throughput to date for the previous rolling, 12-month period.

2. The permittee shall perform weekly checks of grain load-out from the facility to ensure that all adjustable rail car or truck loading spouts and/or chokes in use are working properly and in good operating condition. The spouts shall be positioned to minimize or eliminate visible emissions of fugitive dust. If the permittee determines that any adjustable spout and/or choke is not working properly and in good operating condition, the permittee shall take any necessary corrective action or repair(s) as soon as possible and shall record the following in an operations log:
 - a. the date and time that any adjustable rail car or truck loading spout and/or choke was not working properly and in good operating condition;
 - b. the amount of grain loaded out, in tons, when any adjustable rail car or truck loading spout and/or choke was not working properly and in good operating condition;
 - c. the reason that an adjustable rail car or truck loading spout and/or choke from (a) above was not working properly and in good operating condition; and
 - d. any corrective action or repair(s) needed to ensure that an adjustable rail car or truck loading spout from (a) above is working properly and in good operating condition.

D. Reporting Requirements

1. The permittee shall submit annual reports which identify any exceedance of the annual grain throughput limitation, as well as the corrective actions that were taken to achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report, which states that no deviations from the annual grain throughput limitation occurred during that calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit reports which identify any instance that any an adjustable rail car or truck loading spout and/or choke was not working properly and in good operating condition. These reports shall be submitted to the Ohio EPA, Central District Office by September 30, October 31, November 30 and December 31 of each year and cover the previous respective monthly period.

E. Testing Requirements

1. Compliance with the emissions limitations established in section A.1 of these terms and

conditions shall be determined in accordance with the following methods:

- a. Emissions limitation: Emissions of fugitive particulate matter (PM) from grain load-out activities shall not exceed 0.7 tons per year.

Applicable compliance method: The permittee shall demonstrate compliance by multiplying an AP-42 emissions factor of 0.086 lb PM/ton grain (AP-42, Chapter 9.9.1 (March 2003)), a maximum annual grain throughput of 63,300 tons per year, applying a control efficiency of 75% for adjustable loading spouts or equivalent, and multiplying by a conversion factor of 1 ton/2000 pounds:

$(63,300 \text{ tons per year} * 0.086 \text{ lb/ton}) * (1-0.75) * [1/ 2000 \text{ pounds/ton}] = 0.7 \text{ tons PM per year.}$

F. Miscellaneous Requirements

None

Emissions Unit ID: **P001**

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

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.

Operations, Property, and/or Equipment - (P001) - Grain drying operations, 2000 bu/hr column dryer

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-02(A)	Emissions of fugitive particulate matter (PM) from grain drying shall not exceed 1.2 tons per year. See A.2.a below
ORC 3704.03(T)(4)	See A.2.b below
OAC rule 3745-17-11	See A.2.c below
OAC rule 3745-17-08	See A.2.d below
OAC rule 3745-17-07	See A.2.e below
OAC rule 3745-15-07	See A.2.f below

2. Additional Terms and Conditions

- 2.a Permit to Install 01-12198 for this air contaminant source takes into account the following voluntary restrictions (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):
 - i. Use of grain drying column plate perforation with a diameter equal to or less than 0.078 inches; and
 - ii. Use of mineral oil to minimize or eliminate visible emissions of fugitive dust from the dryer when drying corn.
- 2.b The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the NO_x, CO, SO₂, VOC and PM emissions from the combustion of natural gas from this air contaminant source since the

Emissions Unit ID: **P001**

uncontrolled potential to emit for NO_x, CO, SO₂, VOC and PM from the combustion of natural gas are less than ten tons per year.

- 2.c** This emissions unit is exempt from the particulate emissions limitations specified in OAC rule 3745-17-11(A)(2) pursuant to OAC rule 3745-17-11(A)(1)(d).
- 2.d** This emissions unit is exempt from the visible particulate emission limitations for fugitive dust, specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.
- 2.e** 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).
- 2.f** Except as provided in paragraph (B) of this rule, the emission or escape into the open air from any source or sources whatsoever, of smoke, ashes, dust, dirt, grime, acids, fumes, gases, vapors, odors, or any other substances or combinations of substances, in such manner or in such amounts as to endanger the health, safety or welfare of the public, or cause unreasonable injury or damage to property, is hereby found and declared to be a public nuisance. It shall be unlawful for any person to cause, permit or maintain any such public nuisance.

B. Operational Restrictions

- 1. The maximum throughput for this emissions unit shall not exceed 63,300 tons as a rolling, 12-month summation.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall maintain monthly records of the amount of grain throughput (in tons) per month and total tons of grain throughput to date for the previous rolling, 12-month period.
- 2. The permittee shall maintain records of each instance that un-oiled corn was dried in this emissions unit.
- 3. The permittee shall perform daily inspections of the outside of the perforated drying

screens in this emissions unit. Any damage or unusual wear to any of the drying screens, and any repairs to or replacement of the drying screens shall be recorded in an operations log.

D. Reporting Requirements

1. The permittee shall submit annual reports which identify any exceedance of the annual grain throughput limitation, as well as the corrective actions that were taken to achieve compliance. If no deviations occurred during the calendar year, the permittee shall submit an annual report, which states that no deviations from the annual grain throughput limitation occurred during that calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit reports which identify (a) any instance that un-oiled corn was dried in this emissions unit and (b) any instance that a daily inspection revealed damage or unusual wear to the perforated drying screens that required repair to or replacement of the perforated drying screens. These reports shall be submitted to the Ohio EPA, Central District Office by September 30, October 31, November 30 and December 31 of each year and cover the previous respective monthly period.

E. Testing Requirements

1. Compliance with the emissions limitations established in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emissions limitation: Emissions of fugitive particulate matter (PM) from grain drying shall not exceed 1.2 tons per year.
 - b. Applicable compliance method: The permittee shall demonstrate compliance by multiplying an AP-42 emissions factor of 0.083 lb PM/ton grain (AP-42, Chapter 9.9.1 (March 2003)), a maximum annual grain throughput of 63,300 tons per year, applying a control efficiency of 56.4% (60% for mineral oil application on corn only, which is 94% of the grain handled), and multiplying by a conversion factor of 1 ton/2000 pounds:

$$(63,300 \text{ tons per year} * 0.083 \text{ lb/ton}) * (1-0.564) * [1/ 2000 \text{ pounds/ton}] = 1.2 \text{ tons PM per year.}$$

F. Miscellaneous Requirements

None

Emissions Unit ID: **P001**

SIC CODE 4221 SCC CODE _____ EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION Grain load-in and handling operations

DATE INSTALLED August 8, 2007

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	N/A	2.2	N/A	2.2
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO NESHAP? NO PSD? NO OFFSET POLICY? NO

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

BAT does not apply

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES XX NO

IDENTIFY THE AIR CONTAMINANTS: N/A

Emissions Unit ID: **P001**

SIC CODE 4221 SCC CODE _____ EMISSIONS UNIT ID F002
 EMISSIONS UNIT DESCRIPTION Grain load-out operations, truck and rail load-out
 DATE INSTALLED August 8, 2007

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	N/A	0.7	N/A	0.7
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO NESHAP? NO PSD? NO OFFSET POLICY? NO

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

BAT does not apply

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES XX NO

IDENTIFY THE AIR CONTAMINANTS: N/A

Central Ohio Farmers Coop
 PTI Application Number: 01-12198

Facility ID: 0142010176

Emissions Unit ID: **P001**

SIC CODE 4221 SCC CODE _____ EMISSIONS UNIT ID P001

EMISSIONS UNIT DESCRIPTION Grain drying operations, 2000 bu/hr column dryer

DATE INSTALLED August 8, 2007

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	attainment	N/A	1.2	N/A	1.2
PM ₁₀					
Sulfur Dioxide	attainment				
Organic Compounds	non-attainment				
Nitrogen Oxides	non-attainment				
Carbon Monoxide	attainment				
Lead	attainment				
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO

NESHAP? NO

PSD? NO

OFFSET POLICY? NO

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

BAT does not apply

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$N/A

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES XX NO

IDENTIFY THE AIR CONTAMINANTS: N/A