State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
SANDUSKY COUNTY

Street Address:
122 S. Front Street
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329
Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

Application No: 03-17093
Fac ID: 0372020121
DATE: 2/9/2006

Country Spring Farmers Co-Op
Greg Lowe
2025 West State Street
Fremont, OH 43420

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 Directors 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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern

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

CC: USEPA **NWDO**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install	**Issue Date: 2/9/2006**
Terms and Conditions	**Effective Date: 2/9/2006**

FINAL PERMIT TO INSTALL 03-17093

Application Number:	03-17093
Facility ID:	0372020121
Permit Fee:	**$2175**
Name of Facility:	Country Spring Farmers Co-Op
Person to Contact:	Greg Lowe
Address:	2025 West State Street Fremont, OH 43420

Location of proposed air contaminant source(s) [emissions unit(s)]:
1100 Burkholder Road
Clyde, **Ohio**

Description of proposed emissions unit(s):
Installation of a new grain dump pit and grain leg.

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

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 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 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.

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

Pollutant	Tons Per Year
PE (fugitive)	37.68
PM-10 (fugitive)	10.14

Emissions Unit ID: **F001**

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	Applicable Rules/Requirements
F001 - grain receiving stations; transfer/conveying; screening/cleaning operations (modification to PTI 03-13195, issued 3/1/01 to increase annual throughput)	OAC rule 3745-31-05 (A)(3)
	OAC rule 3745-17-08 (A)
	OAC rule 3745-17-07 (B)

Applicable Emissions Limitations/Control Measures	
Control requirements (See A.2.a) <u>Receiving:</u> 5.89 tons fugitive particulate emissions (PE)/year combined with F004 1.93 tons fugitive particulate matter less than 10 microns (PM-10)/year combined with F004 Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average <u>Transfer and Conveying:</u> 0.08 ton fugitive PE/year combined with F004 0.04 ton fugitive PM-10/year combined with F004 Visible fugitive PE shall not exceed 0% opacity, as a 6-minute average <u>Screening and/or cleaning:</u> 0.10 ton fugitive PE/year 0.02 ton fugitive PM-10/year Visible fugitive PE shall not exceed 0% opacity, as a 6-minute average	See A.2.b See A.2.c

2. Additional Terms and Conditions

2.a The "Best Available Technology" (BAT) control requirements for this emissions unit have been determined to be the following:

i. use of drive-through enclosure with closed overhead door for grain receiving;
ii. use of mineral oil and total enclosure for transfer and conveying;
iii. use of mineral oil and total enclosure for screening and/or cleaning.

BAT requirements also include compliance with the terms and conditions of this permit.

2.b Country Springs Farmers Co-Op 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.

2.c This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).

B. Operational Restrictions

1. The maximum annual grain throughput rate for emissions unit F001 and F004 combined shall not exceed 9,325,600 bushels.

2. The permittee shall keep the overhead door of the drive-through enclosure closed at all times while unloading grain.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount of grain throughput for emissions units F001 and F004 combined (in tons per month and total tons, to date for the calendar year).

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the grain receiving, transferring/conveying, and screening/cleaning operations. The presence or absence of any visible fugitive emissions

shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. for grain receiving stations:

i. the location and color of the emissions;
ii. whether the emissions are representative of normal operations;
iii. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
iv. the total duration of any visible emission incident; and,
v. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (iv.) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

b. for transferring/conveying operations:

i. the color of the emissions;
ii. the total duration of any visible emission incident; and,
iii. any corrective actions taken to eliminate the visible emissions.

c. for screening/cleaning operations:

i. the color of the emissions;
ii. the total duration of any visible emission incident; and,
iii. any corrective actions taken to eliminate the visible emissions.

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 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 semiannual written reports that:

a. for grain receiving:

i. identify all days during which any abnormal visible fugitive particulate emissions were observed from grain receiving;

ii. describe any corrective actions taken to minimize or eliminate the abnormal visible fugitive particulate emissions.

b. for transferring/conveying operations and for screening/cleaning operations:

i. identify all days during which any visible fugitive particulate emissions were observed from transferring/conveying operations and from screening/cleaning operations;

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

These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

1. Compliance Methods Requirements:
Compliance with the emission limitation(s) established in the Applicable Emissions Limitation section of this permit shall be determined in accordance with the following method(s):

a. Emission Limitation:
5.89 tons fugitive PE/year from grain receiving combined with F004

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.18 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 261,768 tons of grain, applying an appropriate control efficiency of 75% for a three-sided enclosure and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

b. Emission Limitation:
1.93 tons fugitive PM-10/year from grain receiving combined with F004

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.059 lbs PM-10/ton grain (Section 9.9.1 (3/2003), a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 75% for a three-sided enclosure and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

c. Emission Limitation
Visible PE of fugitive dust shall not exceed 20% opacity as a 3-minute average from grain receiving operations

Applicable Compliance Method
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

d. Emission Limitation:
0.08 ton fugitive PE/year from transferring/conveying combined with F004

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.061 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 99% for oiling and total enclosure, and multiplying by a conversion factor of ton/2000 lbs. Therefore provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

e. Emission Limitation:
0.04 ton fugitive PM-10/year from transferring/conveying combined with F004

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.034 lbs PM-10/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 99% for oiling and total enclosure, and multiplying by a conversion factor of ton/2000 lbs. Therefore provided compliance is shown with the maximum annual grain

throughput, compliance with the annual limitation will be assumed.

f. Emissions Limitation:
Visible fugitive PE shall not exceed 0% opacity, as a 6-minute average from transferring and conveying operations

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

g. Emission Limitation:
0.10 ton fugitive PE/year from screening/cleaning

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.075 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 99% for oiling and total enclosure and multiplying by a conversion factor of ton/2000 lbs. Therefore provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

h. Emission Limitation:
0.02 ton fugitive PM-10/year from screening/cleaning

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.019 lbs PM-10/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 99% for oiling and total enclosure and multiplying by a conversion factor of ton/2000 lbs. Therefore provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

i. Emission Limitation:
Visible fugitive PE shall not exceed 0% opacity, as a 6-minute average from screening and cleaning operations

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in

accordance with Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F002 - truck/rail loadout station (modification to PTI 03-13195, issued 3/1/01, to increase annual throughput)	OAC rule 3745-31-05 (A)(3)	Control requirements (See A.2.a) 2.82 tons fugitive particulate emissions (PE)/year 0.95 ton fugitive particulate matter less than 10 microns (PM-10)/year Visible fugitive PE shall not exceed 5% opacity, as a 6-minute average from railcar loading operations Visible fugitive PE shall not exceed 10% opacity, as a 6-minute average from truck loading
	OAC rule 3745-17-08 (A)	See A.2.b
	OAC rule 3745-17-07 (B)	See A.2.c

2. Additional Terms and Conditions

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

i. use of adjustable spouts; and
ii. use of mineral oil application.

BAT requirements also include compliance with the terms and conditions of this permit.

2.b Country Springs Farmers Co-Op 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.

2.c This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).

B. Operational Restrictions

1. The maximum annual grain throughput rate for emissions unit F002 combined shall not exceed 9,325,600 bushels.

C. Monitoring and/or Recordkeeping Requirements

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

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the truck and railcar loading operations. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color and location of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and,
   e. any corrective actions taken to eliminate the visible emissions.

   If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission

incident under item (iv.) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

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 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 semiannual written reports that (a) identify all days during which any abnormal visible particulate emissions were observed from the truck loading operation and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

1. <u>Compliance Methods Requirements:</u>
   Compliance with the emission limitation(s) established in the Applicable Emissions Limitation section of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitation:</u>
      2.82 ton fugitive PE/year

      <u>Applicable Compliance Method</u>:
      The emission limitation was established by multiplying an AP-42 emission factor of 0.086 lbs PE/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 75% for adjustable spouts and multiplying by a conversion factor of ton/2000 lbs.

Therefore, provided compliance is shown with the maximum annual grain throughput restriction, compliance with the annual emission limitation will be assumed.

b. Emission Limitation:
0.95 ton fugitive PM-10/year

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.029 lbs PM-10/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 75% for adjustable spouts and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual grain throughput restriction, compliance with the annual emission limitation will be assumed.

c. Emission Limitation:
Visible fugitive PE shall not exceed 5% opacity, as a 6-minute average, from railcar loading operations

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

d. Emission Limitation:
Visible fugitive PE shall not exceed 10% opacity, as a 6-minute average, from truck loading operations

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

None

Emissions Unit ID: **F002**

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	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F003 - 5000 bushel per hour column grain dryer (modification to PTI 03-13780, issued 4/23/02, to increase annual throughput)	OAC rule 3745-31-05 (A)(3)	Control requirements (See A.2.a) 28.79 tons fugitive particulate emissions (PE)/year 7.20 tons fugitive particulate matter less than 10 microns (PM-10)/year
	OAC rule 3745-17-08 (A)	Visible fugitive PE shall not exceed 20% opacity as a 3-minute average
	OAC rule 3745-17-07 (B)	See A.2.b See A.2.c

2. Additional Terms and Conditions

2.a The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of column plate perforation with a diameter equal to or less than 0.078 inches.

2.b Country Springs Farmers Co-Op 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.

2.c This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07 (B) pursuant to OAC rule 3745-17-07 (B)(11)(e).

B. Operational Restrictions

1. The maximum annual grain throughput rate for emissions unit F003 shall not exceed 9,325,600 bushels.

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit annual reports which identify any exceedance of the annual grain throughput, 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 occurred during that calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance Methods Requirements:
   Compliance with the emission limitation(s) established in the Applicable Emissions Limitation section of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitation:
      28.79 tons fugitive PE/year

      Applicable Compliance Method:
      The emission limitation was established by multiplying an AP-42 emission factor of 0.22 lb PE/ton grain (Section 9.9.1 (3/2003)) by the maximum annual grain throughput of 261,768 tons and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

   b. Emission Limitation:
      7.20 tons fugitive PM-10/year

      Applicable Compliance Method:
      The emission limitation was established by multiplying an AP-42 emission factor

of 0.055 lb PM-10/ton grain (Section 9.9.1 (3/2003)) by the maximum annual grain throughput of 261,768 tons and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

c. Emission Limitation:
Visible fugitive PE shall not exceed 20% opacity as a 3-minute average

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

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	Applicable Rules/Requirements	
F004 - grain receiving station with leg	OAC rule 3745-31-05 (A)(3)	OAC rule 3745-17-08(A) OAC rule 3745-17-07 (B)
	40 CFR Part 60 Subpart DD	

Applicable Emissions Limitations/Control Measures	See A.2.e
Control requirements (See A.2.a) <u>Receiving:</u> 5.89 tons fugitive particulate emissions (PE)/year combined with F001 1.93 tons fugitive particulate matter less than 10 microns (PM-10)/year combined with F001 <u>Transfer and Conveying:</u> 0.08 ton fugitive PE/year combined with F001 0.04 ton fugitive PM-10/year combined with F001 See A.2.b Visible fugitive PE shall not exceed 5% opacity, as a 6-minute average from receiving Visible fugitive PE shall not exceed 0% opacity, as a 6 minute average from transfer/conveying See A.2.c See A.2.d	

2. Additional Terms and Conditions

2.a The "Best Available Technology" (BAT) control requirements for this emissions unit have been determined to be the use of a drive-through enclosure with closed overhead door.

2.b The requirements of this rule also include compliance with the requirements of 40 CFR Part 60 Subpart DD.

2.c These opacity requirements apply to grain handling operations as they are defined in 40 CFR Part 60 Subpart DD.

2.e This emissions unit is exempt from the visible particulate emissions limitation specified in OAC rule 3745-17-07(B), pursuant to OAC rule 3745-17-07(B)(11)(e).

B. Operational Restrictions

1. The maximum annual grain throughput rate for emissions unit F004 and F001 combined shall not exceed 9,325,600 bushels.

2. The permittee shall keep the overhead door of the drive-through enclosure closed at all times while unloading grain.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount of grain throughput for emissions units F001 and F004 combined (in tons per month and total tons, to date for the calendar year).

2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the grain receiving and transferring/conveying operations. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. for grain receiving station:

      i. the location and color of the emissions;
      ii. whether the emissions are representative of normal operations;
      iii. if the emissions are not representative of normal operations, the cause of

the abnormal emissions;

iv. the total duration of any visible emission incident; and,

v. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (iv.) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

b. for transferring/conveying operations:

i. the color of the emissions;

ii. the total duration of any visible emission incident; and,

iii. any corrective actions taken to eliminate the visible emissions.

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 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 semiannual written reports that:

a. for grain receiving:

i. identify all days during which any abnormal visible fugitive particulate emissions were observed from grain receiving;

ii. describe any corrective actions taken to minimize or eliminate the

abnormal visible fugitive particulate emissions.

b. for transferring/conveying operations:

i. identify all days during which any visible fugitive particulate emissions were observed from transferring/conveying operations and from screening/cleaning operations;

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

These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

3. Pursuant to the New Source Performance Standards (NSPS), the source owner/operator is hereby advised of the requirements to report the following at the appropriate times:

a. construction date (no later than 30 days after such date);
b. actual start-up date (within 15 days after such date); and
c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
Lazarus Government Center
P.O. Box 1049
Columbus, OH 43216-1049

and

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

E. Testing Requirements

1. <u>Compliance Methods Requirements:</u>
Compliance with the emission limitation(s) established in the Applicable Emissions Limitation section of this permit shall be determined in accordance with the following

method(s):

a. Emission Limitation:
5.89 tons fugitive PE/year from grain receiving combined with F001

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.18 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 261,768 tons of grain, applying an appropriate control efficiency of 75% for a three-sided enclosure and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

b. Emission Limitation:
1.93 tons fugitive PM-10/year from grain receiving combined with F001

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.059 lbs PM-10/ton grain (Section 9.9.1 (3/2003), a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 75% for a three-sided enclosure and multiplying by a conversion factor of ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

c. Emission Limitation
Visible PE of fugitive dust shall not exceed 5% opacity as a 6-minute average from grain receiving operations

Applicable Compliance Method
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

d. Emission Limitation:
0.08 ton fugitive PE/year from transferring/conveying combined with F001

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.061 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 99% for oiling and total enclosure, and multiplying by a conversion factor of ton/2000 lbs. Therefore provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

e. Emission Limitation:
0.04 ton fugitive PM-10/year from transferring/conveying combined with F001

Applicable Compliance Method:
The emission limitation was established by multiplying an AP-42 emission factor of 0.034 lbs PM-10/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 261,768 tons of grain, applying a control efficiency of 99% for oiling and total enclosure, and multiplying by a conversion factor of ton/2000 lbs. Therefore provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

f. Emissions Limitation:
Visible fugitive PE shall not exceed 0% opacity, as a 6-minute average from transferring and conveying operations

Emissions Unit ID: **F004**

Applicable Compliance Method:
If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

F. Miscellaneous Requirements

1. The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements for 40 CFR Part 60 are also federally enforceable.