



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

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: 03-13770

DATE: 7/25/2002

Sunrise Co-op, Clarksfield Facility
Greg Lowe
1981 Fitchville River Road
Wakeman, OH 44889

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
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

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

cc: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 7/25/2002
Effective Date: 7/25/2002**

FINAL PERMIT TO INSTALL 03-13770

Application Number: 03-13770
APS Premise Number: 0339000166
Permit Fee: **\$800**
Name of Facility: Sunrise Co-op, Clarksfield Facility
Person to Contact: Greg Lowe
Address: 1981 Fitchville River Road
Wakeman, OH 44889

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1981 Fitchville River Road
Wakeman, Ohio**

Description of proposed emissions unit(s):
To be determined by county engineer.

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 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 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 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 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.

Sunrise Co-op, Clarksfield Facility
PTI Application: 03-13770
Issued: 7/25/2002

Facility ID: 0339000166

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>
PE	19.10
CO	2.64
NOx	4.41

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F002 - Railcar and Truck Unloading, Grain Transfer, Screening and Cleaning (Modification of two existing truck unloading pits by the addition of a third new railcar/truck unloading pit)	OAC rule 3745-31-05(A)(3)	<u>Grain receiving:</u> 0.72 ton/yr fugitive particulate emissions (PE)
		Visible fugitive particulate emissions shall not exceed 5% opacity as a six-minute average.
		<u>Transferring and conveying:</u> 0.25 ton/yr fugitive PE
		Visible fugitive PE emissions shall not exceed 0% opacity as six-minute average.
		<u>Screening and cleaning:</u> 0.30 ton/yr fugitive PE
		Visible fugitive PE emissions shall not exceed 0% opacity as a six-minute average
		Control requirements (see A.2.a)
	OAC rule 3745-17-07(B)	None (see A.2.b)
	OAC rule 3745-17-08(B)	None (see A.2.c)

8

Sunris

PTI A

Issued: 7/25/2002

Emissions Unit ID: **F002**

2. Additional Terms and Conditions

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

- i. the use of 3-sided enclosure on truck grain pits #1 and #2;
- ii. the use of an oil system to oil grain for truck/railcar pit #3;
- iii. total enclosures around material transferring, conveying and screening, and cleaning

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

2.b 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)).

2.c This facility is not located within an "Appendix A" area identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

B. Operational Restrictions

1. The maximum annual throughput for this emissions unit shall not exceed 162,088 tons of grain. This restriction is based on the total grain throughput of receiving pits #1, #2, and #3 combined.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the amount of (tons per month and total tons, to date for the calendar year) grain throughput for this emissions unit.
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 grain receiving, transferring & conveying and screening & cleaning. The presence or absence of any visible fugitive emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
 - a. the location and color of the emissions;
 - b. whether the emissions are representative of normal operations;

- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;

- d. the total duration of any visible emission incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

D. Reporting Requirements

1. The permittee shall submit annual deviation (excursion) reports that identify any and all exceedances of the annual grain throughput limitation, as well as the corrective actions 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 year. The reports shall be submitted annually, 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 visible fugitive particulate emissions were observed from grain receiving, transferring & conveying and screening & cleaning and (b) describe any corrective actions taken to minimize or eliminate the visible fugitive particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

E. Testing Requirements

1. Compliance with the emission limitations listed in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
0.72 ton/yr fugitive PE from grain receiving

Applicable Compliance Method: Calculations, using AP-42, Section 9.9.1 emission factors (revised 5/98) and the actual annual throughput of the emission unit shall be performed to quantify fugitive PE.

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.18 lb PE/ton grain (Section 9.9.1 (5/98)) by a maximum annual throughput of 162,088 tons of grain, multiplying by a conversion factor of ton/2000 lbs, and applying a 95% control efficiency for use of BAT control requirements. Therefore provided compliance is shown with the annual throughput limitation, compliance with the ton per year PE limitation will be assumed.

- b. Emission Limitation:

Sunrise Co-op, Clarksfield Facility

PTI Application: 02 12770

Issued

Facility ID: 0339000166

Emissions Unit ID: F002

Visible fugitive PE emissions shall not exceed 5% opacity as a six-minute average from grain receiving

Applicable Compliance Method:

If required compliance shall be demonstrated in accordance with USEPA Method 9 of 40 CFR Part 60, Appendix A.

- c. Emission Limitation:
0.25 ton/yr fugitive PE from transferring and conveying

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.061 lb PE/ton grain (Section 9.9.1 (5/98)) by a maximum annual throughput of 162,088 tons of grain, multiplying by a conversion factor of ton/2000 lbs, and applying a 95% control efficiency for use of BAT control requirements. Therefore provided compliance is shown with the annual throughput limitation, compliance with the ton per year PE limitation will be assumed.

- d. Emission Limitation:
Visible fugitive PE emissions shall not exceed 0% opacity as a six-minute average from transferring and conveying

Applicable Compliance Method:

If required compliance shall be demonstrated in accordance with USEPA Method 9 of 40 CFR Part 60, Appendix A.

- e. Emission Limitation :
0.30 ton/yr fugitive PE from screening and cleaning

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.075 lb PE/ton grain (Section 9.9.1 (5/98)) by a maximum annual throughput of 162,088 tons of grain, multiplying by a conversion factor of ton/2000 lbs, and applying a 95% control efficiency for use of BAT control requirements. Therefore provided compliance is shown with the annual throughput limitation, compliance with the ton per year PE limitation will be assumed.

- f. Emission Limitation:
Visible fugitive PE emissions shall not exceed 0% opacity as a six-minute average from screening and cleaning

Applicable Compliance Method:

If required compliance shall be demonstrated in accordance with USEPA Method 9 of 40

14

Sunris

PTI A

Issued: 7/25/2002

Emissions Unit ID: **F002**

CFR Part 60, Appendix A.

15

Sunris

PTI A

Issued: 7/25/2002

Emissions Unit ID: **F002**

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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
F005 - 2,500 bushels/hr, natural gas fired column grain dryer	OAC rule 3745-31-05(A)(3)	Control requirements (See A.2.a) 17.83 tons/yr fugitive particulate emissions (PE) Visible fugitive particulate emissions shall not exceed 20% opacity as a 3-minute average <u>Emissions from natural gas combustion:</u> 2.52 lbs NOx/hr, 4.41 tons NOx/yr 1.51 lbs CO/hr, 2.64 tons CO/yr
	OAC rule 3745-17-07(B)	None (see A.2.b)
	OAC rule 3745-17-08(B)	None (see A.2.c)

2. Additional Terms and Conditions

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

- 2.b** 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 throughput for this emissions unit shall not exceed 162,088 tons of grain.

C. Monitoring and/or Recordkeeping Requirements

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

D. Reporting Requirements

1. The permittee shall submit annual deviation (excursion) reports that identify any and all exceedances of the annual grain throughput limitation, as well as the corrective actions 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 year. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

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

- a. Emission Limitation:
17.83 tons/yr fugitive PE

Applicable Compliance Method: The permittee shall demonstrate compliance by multiplying an AP-42 emission factor of 0.22 lb PE/ton grain, Section 9.9.1 (5/98) by a maximum annual grain throughput of 162,088 tons and multiplying by a conversion factor of ton/2000 lbs. Therefore provided compliance is shown with the annual throughput limitation, compliance with the ton per year PE limitation will be assumed.

- b. Emission Limitation:
Visible particulate emissions of fugitive dust shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method:

If required compliance shall be demonstrated in accordance with USEPA Method 9 of 40 CFR Part 60, Appendix A.

- c. Emission Limitation :
2.52 lbs NOx/hr, 4.41 tons NOx/yr

Applicable Compliance Method:

The permittee may demonstrate compliance with the hourly allowable NOx emission limitation by multiplying the maximum hourly natural gas consumption rate (0.018 mm cu. ft/hr) by an emission factor of 140 lbs NOx/mm cu ft (AP-42, Section 1.4 , revised 3/98)

The annual allowable NOx limitation was developed by multiplying the hourly allowable NOx limitation by maximum operating schedule of 3500 hrs/yr*, and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

*The maximum operating schedule is based on the maximum annual throughput of 162,088 tons of grain for this emissions unit.

- d. Emission Limitation:
1.51 lbs CO/hr, 2.64 tons CO/yr

Applicable Compliance Method:

The permittee may demonstrate compliance with the hourly allowable CO emission limitation by multiplying the maximum hourly natural gas consumption rate (0.018 mm cu. ft/hr) by an emission factor of 84 lbs CO/mm cu ft (AP-42, Section 1.4 , revised 3/98)

The annual allowable CO limitation was developed by multiplying the hourly allowable CO limitation by maximum operating schedule of 3500 hrs/yr*, and then dividing by 2000. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual limitation.

*The maximum operating schedule is based on the maximum annual throughput of 162,088 tons of grain for this emissions unit.

F. Miscellaneous Requirements

None