



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
DEFIANCE 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: 03-13917

DATE: 11/14/2002

Jewell Grain Company
Rome Overmyer
12818 E. Gypsy Lane Road
Bowling Green, OH 43402

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,

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 11/14/2002
Effective Date: 11/14/2002**

FINAL PERMIT TO INSTALL 03-13917

Application Number: 03-13917
APS Premise Number: 0320000166
Permit Fee: **\$3600**
Name of Facility: Jewell Grain Company
Person to Contact: Rome Overmyer
Address: 12818 E. Gypsy Lane Road
Bowling Green, OH 43402

Location of proposed air contaminant source(s) [emissions unit(s)]:
**8049 Independence Road
Jewell, Ohio**

Description of proposed emissions unit(s):
3000 bu/hr grain dryer and a 400 bu/hr grain dryer.

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

Jewell Grain Company
PTI Application: 03-13917
Issued: 11/14/2002

Facility ID: 0320000166

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 Record keeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping 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 record keeping 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 ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

Jewell Grain Company
PTI Application: 03-13917
Issued: 11/14/2002

Facility ID: 0320000166

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 (fugitive)	4.71

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>
F001 - Zimmerman 3000 bu/hr grain dryer	OAC rule 3745-31-05(A)(3)	Control requirements (See A.2.a) 4.16 tons fugitive PE/year Visible fugitive PE shall not exceed 20% opacity as a 3-minute average
	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 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.

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

- 2.b Jewell Grain Company is located within an "Appendix A" area as identified in OAC rule 3745-17-08. This emissions unit is located at a grain elevator with permanent storage less than 2.5 million bushels. Therefore pursuant to OAC rule 3745-17-08(A)(3)(a), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

- 2.c 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 37,800 tons of grain.

C. Monitoring and/or Record keeping 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. The reports shall be submitted by January 31 of each year and shall cover the previous 12-month period. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during the 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: 4.16 TPY 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 the maximum annual grain throughput of 37,800 tons and multiplying by a conversion factor of ton/2000 lbs.

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

Applicable Compliance Method: If required, compliance shall be determined by visible emissions evaluations using the methods and procedures specified in USEPA Method 9 of 40 CFR Part 60, Appendix A.

9

Jewell

PTI A

Issued: 11/14/2002

Emissions Unit ID: **F001**

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>
F002 - Kan-Sun 400 bu/hr grain dryer	OAC rule 3745-31-05(A)(3)	Control requirements (See A.2.a) 4.26 tons fugitive PE/year Visible fugitive PE shall not exceed 20% opacity as a 3-minute average
	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 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.

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

- 2.b Jewell Grain Company is located within an "Appendix A" area as identified in OAC rule 3745-17-08. This emissions unit is located at a grain elevator with permanent storage less than 2.5 million bushels. Therefore pursuant to OAC rule 3745-17-08(A)(3)(a), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B).

- 2.c 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 5040 tons of grain.

C. Monitoring and/or Record keeping 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. The reports shall be submitted by January 31 of each year and shall cover the previous 12-month period. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during the 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: 0.55 TPY 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 the maximum annual grain throughput of 5040 tons and multiplying by a conversion factor of ton/2000 lbs.

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

Applicable Compliance Method: If required, compliance shall be determined by visible emissions evaluations using the methods and procedures specified in USEPA Method 9 of 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

12

Jewell

PTI A

Issued: 11/14/2002

Emissions Unit ID: **F002**

None

NEW SOURCE REVIEW FORM B

PTI Number: 03-13917 Facility ID: 0320000166

FACILITY NAME Jewell Grain Company

FACILITY DESCRIPTION 3000 bu/hr grain drver and a 400 bu/hr CITY/TWP Jewell

Emissions Unit ID: **F002**

SIC CODE 5191 SCC CODE 3-02-005-04 EMISSIONS UNIT ID F001

EMISSIONS UNIT DESCRIPTION Zimmerman Column Grain Dryer (3000 bushels/hour)

DATE INSTALLED 10/97

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		same as allowable		4.16
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

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

Enter Determination compliance with the terms and conditions of this permit

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

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

TOXIC AIR CONTAMINANTS

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

AIR TOXICS MODELING PERFORMED*? YES NO

IDENTIFY THE AIR CONTAMINANTS:

14 NEW SOURCE REVIEW FORM B

PTI Number: 03-13917

Facility ID: 0320000166

FACILITY NAME Jewell Grain Company

FACILITY DESCRIPTION 3000 bu/hr grain drver and a 400 bu/hr CITY/TWP Jewell

Emissions Unit ID: **F002**

SIC CODE 5191

SCC CODE 3-02-005-04

EMISSIONS UNIT ID F002

EMISSIONS UNIT DESCRIPTION Kan-Sun column grain dryer (400 bushels/hour)

DATE INSTALLED 10/97

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		same as allowable		0.55
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

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

Enter Determination compliance with the terms and conditions of this permit

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT?

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TOXIC AIR CONTAMINANTS

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

AIR TOXICS MODELING PERFORMED*? YES NO

IDENTIFY THE AIR CONTAMINANTS: