



State of Ohio Environmental Protection Agency

RE: **FINAL PERMIT TO INSTALL MODIFICATION**      **CERTIFIED MAIL**  
**HENRY COUNTY**

Street Address:

Mailing Address:

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

Lazarus Gov.  
Center

Application No: 03-04871

Fac ID: 0335000007

DATE: 6/12/2008

Yarnell Bros., Inc.  
David Yarnell  
P.O. Box 81 103 E North St  
Deshler, OH 43516

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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

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

Sincerely

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

CC: USEPA

NWDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 6/12/2008  
Effective Date: 6/12/2008**

**FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-04871**

Application Number: **03-04871**  
APS Premise Number: **0335000007**  
Permit Fee: **\$0**  
Name of Facility: **Yarnell Bros., Inc.**  
Person to Contact: **David Yarnell**  
Address: **P.O. Box 81 103 E North St  
Deshler, OH 43516**

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

**P.O. Box 81  
Deshler, OHIO**

Description of modification:

**25 mmBTU/hr coal-fired alfalfa dryer.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski  
Director

**Yarnell Bros., Inc.**

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## **GENERAL PERMIT CONDITIONS**

### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

### **CONSTRUCTION OF NEW SOURCES**

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

If the construction of the proposed source(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 Ohio Administrative Code (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 applicable standards.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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### **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.

### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

### **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.

### **PERMIT TO OPERATE APPLICATION AND OPERATION AFTER COMPLETION OF CONSTRUCTION**

If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(s) covered by this permit.

### **SOURCE OPERATION 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 and regulations.

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#### **AIR EMISSION SUMMARY**

The air contaminant emissions units listed below comprise the Permit to Install for **Yarnell Bros., Inc.** located in **HENRY** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P005	Coal Fired Alfalfa Dryer	Use of Coal with a Sulfur Content less than or equal to 1.2%; use of cyclone control; and compliance with terms of this permit.	3745-31-05 3745-17-11 3745-17-07 3745-18-06 3745-23-06	11.0 lbs PM/hr 31.4 lbs SO <sub>2</sub> /hr 5.2 lbs NO <sub>x</sub> /hr

#### **SUMMARY TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
SO <sub>2</sub>	68.8
Particulate	24.1
NO <sub>x</sub>	11.4

#### **RECORD(S) RETENTION AND AVAILABILITY**

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the

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Director, or any representative of the Director, for review during normal business hours.

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Northwest District Office, 1035 Devlac Grove Drive, Bowling Green, Ohio 43402.**

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### WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

### ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. Based on the limited information that was available to determine emission levels from this source, the Ohio EPA reserves the right to reduce the allowable emission rates (particulate matter and sulfur dioxide) of this permit. Stack testing of Source No. P005 will be required upon renewal of the permit to operate and allowable emission rates will be set at 120% of the actual emission levels determined at the time of stack testing. Under no circumstances shall emissions exceed the levels currently indicated.
2. Normal operation for this source is from May 1 through October 31 each year. The total hours of operation of Source P005 shall not exceed 4380 hours during each calendar year.
3. The maximum allowable feed rates for this source shall be:  
  
27,000 lbs/hr raw alfalfa to the dryer  
1,375 lbs/hr coal to the burner
4. Yarnell Bros., Inc., shall keep daily records of the following:
  - a. The amount of raw alfalfa fed into the dryer (tons).
  - b. The amount of coal burned (tons).
  - c. The hours the dryer and coal burner were in operation.
5. Visible emissions from Source P005 shall not exceed 20%
6. Yarnell Bros., Inc. shall submit to the Ohio EPA Northwest District Office, on a quarterly basis, copies of the coal supplier's analyses (wet and dry) for each shipment of coal which is received for burning in Source No. P005. The coal supplier's analyses shall document the ash content (percent), sulfur content (percent), and heat content (Btu/lb) of each coal type received. The following information shall also be included with the copies of the coal supplier's analyses:
  - a. The total quantity of coal received in each shipment (tons);
  - b. The average ash content (percent) of the coal received during each calendar month;
  - c. The average sulfur content (percent) of the coal received during each calendar month;
  - d. The average heat content (Btu/lb) of the coal received during each calendar month; and
  - e. The average sulfur dioxide emission rate (lbs SO<sub>2</sub>/MMBTU actual heat input) from the coal

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received each calendar month.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover coal shipments received during the previous calendar quarter.