



State of Ohio Environmental Protection Agency

STREET ADDRESS:

1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

Re: Permit to Install
Hancock County
Application No: 03-0323

CERTIFIED MAIL

May 21, 1997

ARCHER DANIELS MIDLAND/COUNTRYMARK
MICHELLE L. BUBLITZ
4666 FARIES PARKWAY
DECATUR, IL 62526

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 Board of Review 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 with the Environmental Board of Review within thirty (30) days after notice of the Director's 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 Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

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

cc: US EPA
NORTHWEST DISTRICT OFFICE, DAPC

George V. Voinovich, Governor
Nancy P. Hollister, Lt. Governor
Donald R. Schregardus, Director



Permit to Install Terms and Conditions

Application No. 03-0323
APS Premise No. 0332010178
Permit Fee: \$1000.00

Name of Facility: ARCHER DANIELS MIDLAND/COUNTRYMARK

Person to Contact: MICHELLE L. BUBLITZ

Address: 4666 FARIES PARKWAY
DECATUR, IL 62526

Location of proposed source(s): 550 WEST FOURTH STREET
FOSTORIA, OHIO

Description of proposed source(s):
COLUMN GRAIN DRYER (5000 BU/HR).

Date of Issuance: May 21, 1997

Effective Date: May 21, 1997

The above named entity is hereby granted a permit to install for the above described source(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 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 and specifications, the above described source(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

Donald R. Schreyer

Director

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.

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

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

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.

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for ARCHER DANIELS MIDLAND-COUNTRYMARK located in Hancock County. The sources 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 & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
F001	5,000 bushel/hr column grain dryer	Plate perforation diameter <0.094 in. and compliance with permit allowable emission rate	3745-31-05 40 CFR 60 Subpart DD	30.80 lbs PM/hr; 7.70 lbs PM ₁₀ /hr; 4.13 lbs NO _x /hr; 1.03 lbs CO/hr

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	59.60
PM ₁₀	14.90
NO _x	8.00
CO	2.00

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source No.</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
F001	5,000 bu/hr column grain dryer	DD

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The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. 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
P.O. Box 163669
Columbus, OH 43216-3669

and OEPA Northwest District Office - DAPC
347 North Dunbridge Road
Bowling Green, Ohio 43402

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 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 OEPA Northwest District Office - DAPC, 347 North Dunbridge Road, Bowling Green, Ohio 43402.

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.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering

practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the OEPA Northwest District Office - DAPC, 347 North Dunbridge Road, Bowling Green, Ohio 43402.

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. INTRODUCTION

PTI Number 03-0232 serves to permit a new 5000 bu/hr column grain dryer at ADM-Countrymark. The new grain dryer (emissions unit F001) will replace a 1000 bu/hr grain dryer (currently permitted under emissions unit P002).

Inherent physical limitations prevent emissions unit F001 from operating at its full capacity. Therefore, the emissions derived in this permit are based on an operating schedule of 3870 hours per year.

B. APPLICABLE EMISSION LIMITATIONS AND/OR CONTROL REQUIREMENTS

1. The "Best Available Technology" (BAT) demonstration for this emissions unit is determined to be the use of a plate perforation diameter less than 0.094 inches.

2. Fugitive particulate emissions from the column grain dryer shall not exceed 30.80 lbs/hr and 59.60 tons per year. Fugitive particulate matter emissions less than 10 microns (PM₁₀) shall not exceed 7.70 lbs/hr and 14.90 tons per year.

C. OPERATIONAL RESTRICTIONS

1. The maximum annual operating hours for this emissions unit shall not exceed 3870 hours per rolling 12-month period.

D. MONITORING AND/OR RECORDKEEPING REQUIREMENTS

1. The permittee shall maintain monthly records of the following information for emissions unit F001:
 - a. the number of hours the emissions unit was in operation (hours/month);
 - b. the PM and PM₁₀ emissions, in pounds per month;
 - c. the PM and PM₁₀ emissions, in pounds per hour. The permittee shall divide (b)/(a) to demonstrate compliance with the mass emissions limits of 30.80 lbs PM/hr and 7.70 lbs PM₁₀/hr; and,
 - d. the rolling 12-month summation of the operating hours.

These records shall be kept in the company's files for a period of not less than five years and shall be made available to personnel from the Ohio Environmental Protection Agency, Division of Air Pollution Control, for review during normal business hours.

E. REPORTING REQUIREMENTS

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling 12-month operating hours limitation. If no exceedances occurred, a report stating that fact is still required.

The report shall be submitted by January 15 of each year and shall cover the previous 12-month period.

All reports shall be submitted to the Ohio Environmental Protection Agency, Northwest District Office, 347 North Dunbridge Road, Bowling Green, Ohio 43402.

F. TESTING REQUIREMENTS

1. Compliance Methods Requirements:

Compliance with the emission limitation(s) in Section B.2 of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation:

30.80 lbs fugitive PM/hr

Applicable Compliance Method:

Calculations, using AP-42 interim emission factors (0.088 lb fugitive PM per ton of grain dried) and the maximum hourly throughput of the emissions unit, shall be performed to quantify fugitive PM emissions.

b. Emission Limitation:

59.60 tons fugitive PM/year

Applicable Compliance Method:

Calculations, using the hourly emission rate determined in (F)(1)(a) multiplied by the actual operating hours per year, shall be performed to quantify fugitive PM emissions.

c. Emission Limitation:

7.70 lbs fugitive PM₁₀/hr

Applicable Compliance Method:

Calculations, using AP-42 interim emission factors (0.022 lb fugitive PM₁₀ per ton of grain dried) and the maximum hourly throughput of the emissions unit, shall be performed to quantify fugitive PM emissions.

d. Emission Limitation:

14.90 tons fugitive PM₁₀/year

Applicable Compliance Method:

Calculations, using the hourly emission rate determined in (F)(1)(c) multiplied by the actual operating hours per year, shall be performed to quantify fugitive PM₁₀ emissions.

G. MISCELLANEOUS REQUIREMENTS

None.