



State of Ohio Environmental Protection Agency

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OHIO EPA

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STREET ADDRESS:

1600 WaterMark Drive
Columbus, OH 43215-1099

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

MAILING ADDRESS:

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

SOUTHWEST DISTRICT

December 3, 1997

CERTIFIED MAIL

Re: Modification to Permit to Install No. 05-9010
Shelby County

Cargill, Incorporated
2400 Industrial Drive
Sidney, OH 45365-8952

Attention: Keith Kuhlman

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. It must be filed with the Environmental Review Appeals Commission 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 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

Enclosure

cc: US EPA
SOUTHWEST DISTRICT OFFICE, DAPC



Permit to Install Terms and Conditions

Issuance Date: December 3, 1997
Effective Date: December 3, 1997

OHIO ENVIRONMENTAL PROTECTION AGENCY

MODIFICATION TO PERMIT TO INSTALL

Name of Applicant: Cargill, Incorporated
Address: 2400 Industrial Drive
City: Sidney, OH 45365-8952
Telephone Number: (513)497-4336

The Ohio EPA has received a request for a modification for the Ohio EPA Permit to Install referenced above.

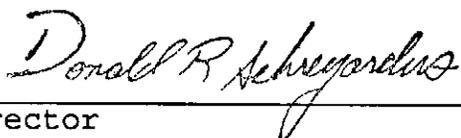
The Permit to Install issued to Cargill, Incorporated, Permit to Install 05-9010 is modified in the following manner:

Terms and Conditions on the cover letter, pages 4, 8 and 9 of Permit to Install issued on October 3, 1997.

The reason for the modification is: to delete the Synthetic Minor reference; to clarify the annual limit as a rolling 12-month limit; to reference the emission factor used to calculate the allowable; to include PM₁₀ emissions limit.

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.

Ohio Environmental Protection Agency



Director



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
Shelby County
Application No: 05-9010
NSPS

CERTIFIED MAIL

October 3, 1997

CARGILL, INCORPORATED
KEITH KUHLMAN
2400 INDUSTRIAL DRIVE
SIDNEY, OH 45365-8952

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 with the Environmental Review Appeals Commission 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 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 & Permit Section
Division of Air Pollution Control

cc: US EPA
SOUTHWEST DISTRICT OFFICE, DAPC

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for CARGILL, INCORPORATED located in Shelby 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>
P034	Column grain dryer #2	*	3745-31-05 3745-17-07 3745-17-08 3745-17-11 40 CFR Part 60 Subpart DD	Combined emission rate for P006-Column Grain Dryer #1 and P034-Column Grain Dryer #2 shall not exceed: 21.6 lbs PM/hr, 56.7 TPY PM as a rolling 12-month limit; 5.4 pounds PM ₁₀ /hour; 14.18 TPY PM ₁₀ ; 10 percent visible emissions opacity as a 3-minute average

* Compliance with the applicable state and federal regulations through the use of a settling chamber; column dryer plate perforations less than or equal to 0.094 inches; recordkeeping; monitoring; reporting; 10 percent visible emission opacity

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulate Matter	There is no net increase with this addition. The emission rate of 56.7 TPY PM as a rolling 12-month limit, and 14.18 TPY PM ₁₀ previously established for P006 will be the combined rate for both P006 and P034.

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 Ohio EPA, Southwest District Office. 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.)

F. Testing

1. Compliance with the emission limitations in the Emission Summary of this permit shall be determined with the following methods:

- a. Emission Limitation

The combined emission rate for P006 (Column Grain Dryer #1) and P034 (Column Grain Dryer #2) shall not exceed 21.6 pounds PM/hour.

Applicable Compliance Method

Compliance shall be based upon the maximum capacity of the largest grain dryer, in tons per hour, multiplied by the controlled emission factor of 0.12 pound PM/ton of material processed. This is the AP-42 emission factor from Table 6.4-1 for column grain dryers of 1.1 pounds PM/ton multiplied by the 89 percent control efficiency from the settling chamber. It is consistent with the manufacturers data provided.

- b. Emission Limitation

The combined emission rate for P006 (Column Grain Dryer #1) and P034 (Column Grain Dryer #2) shall not exceed 56.7 TPY PM, as a rolling 12-month limit.

Applicable Compliance Method

Compliance shall be based upon the total amount of material processed in both grain dryers per rolling 12-month period, as specified in the Recordkeeping section, multiplied by the controlled emission factor of 0.12 pound PM/ton of material processed (reference a. for emission factor source) and divided by 2000 pounds/ton.

c. Emission Limitation

The combined emission rate for P006 (Column Grain Dryer No. 1) and P034 (Column Grain Dryer No. 2) shall not exceed 5.4 pounds PM₁₀/hour.

Applicable Compliance Method

Compliance shall be based upon the maximum capacity of the largest grain dryer, in tons per hour, multiplied by the controlled emission factor of 0.12 pound PM/ton of material processed (reference a. for emission factor source) and then multiplied by 25 percent to establish the PM₁₀ emission rate. It is consistent with the manufacturers data provided.

d. Emission Limitation

The combined emission rate for P006 (Column Grain Dryer No. 1) and P034 (Column Grain Dryer No. 2) shall not exceed 14.2 TPY PM₁₀, as a rolling 12-month limit.

Applicable Compliance Method

Compliance shall be based upon the total amount of material processed in both grain dryers per rolling 12-month period, as specified in the Recordkeeping section, multiplied by 0.12 pound PM/ton of material processed (reference a. for emission factor source), divided by 2000 pounds/ton, and multiplied by 25 percent to establish the PM₁₀ emission rate.

e. Emission Limitation

10 percent visible emission opacity, as a three minute average.

Applicable Compliance Method

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.