



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: April 1, 2005
RE: AgProducer Services, Cargill, Inc. / 129-20730-00001
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
 Governor

Thomas W. Easterly
 Commissioner

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Mr. Jason May
 Ag Producer Services, Cargill, Inc.
 1000 Old Highway 695
 Mt. Vernon, Indiana 47620

April 1, 2005

Re: 129-20730-00001
 Second Administrative Amendment to
 FESOP 129-12502-00001

Dear Mr. May:

Ag Producer Services, Cargill, Inc., located at Uniontown Road, Mt. Vernon, Indiana 47620 was issued a permit on December 20, 2001 for a stationary wholesale grain processing plant. A letter requesting a change to the FESOP was received on February 10, 2005. The proposed change is as follows:

- (a) Change in the Authorized Individual listed in the Part 70 permit from Terry Ham to Jason May.
- (a) Addition of two (2) Cyclone Dust Collectors to be installed in series with the existing Dacron Baghouses to increase the efficiency of the existing dust collection system. Dust collected from the new Cyclones will be reintroduced back into the grain handling process, thus, eliminating the existing dust on-site storage and off-site shipping of the dust grain.

Pursuant to the provisions of 326 IAC 2-8-10 the permit is hereby administratively amended, since the project qualifies as a revision to descriptive information where revision will not trigger a new applicable requirement or violate a permit term. Therefore, amendment is as follows (additions are **bolded** and deletions are ~~struck through~~ for emphasis):

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary wholesale grain processing operation.

Authorized individual:	Terry Ham Jason May
Source Address:	Uniontown Road, Mt. Vernon, Indiana 47620
Mailing Address:	P.O. Box 747, Mt. Vernon, Indiana 47620
SIC Code:	5153
Source Location Status:	Posey
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD or Emission Offset Rules

Reviewer: Aida De Guzman

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Three (3) grain elevator systems, identified as emission units ID 1, 2, and 3, with a maximum total rate of forty (40) million bushels of grain per year, using a Dacron Baghouse each for control, exhausting through ~~three (3)~~ **two (2) new Cyclone Dust Collectors. Dust collected is introduced back into the grain handling process stacks, identified as S-1, S-2, and S-3.** The three systems are:
 - (1) System 1, using a Dacron baghouse, identified as DS-1, for particulate control, exhausting through **two (2) Cyclone Dust Collectors, which exhausts back into the grain handling process** ~~stack, identified as S-1,~~ consists of the following emission units:
 - (A) One (1) truck receiving area, identified as Truck Dump #1, with a maximum hourly capacity of 17,500 bushels per hour;
 - (B) One (1) truck receiving area identified as Truck Dump #2, with a maximum hourly capacity of 17,500 bushels per hour;
 - (C) Grain handling from Bin 12 Upper to Grain Scale, with a maximum hourly capacity of 40,000 bushels per hour; and
 - (D) Grain handling from Grain Scale to Hawk Belt, with a maximum hourly capacity of 40,000 bushels per hour;
 - (2) System 2, using a Dacron baghouse, identified as DS-2 for particulate control, exhausting through **two (2) Cyclone Dust Collectors, which exhausts back into the grain handling process** ~~stack, identified as S-2,~~ consists of the following emission units:
 - (A) Grain handling from Drag Conveyor DC-1 to Leg 1, with a maximum hourly capacity of 20,000 bushels per hour;
 - (B) Grain handling from Drag Conveyor DC-2 to Leg 2 with a maximum hourly capacity of 20,000 bushels per hour;
 - (C) Grain handling from Rail DC to Legs 3 and 4, with a maximum hourly capacity of 17,500 bushels per hour;
 - (D) Grain handling from Bins to Reclaim Conveyors and Spouts, with a maximum hourly capacity of 17,500 bushels per hour; and
 - (E) Grain handling from Reclaim Conveyors to Grain Legs, with a maximum hourly capacity of 17,500 bushels per hour;
 - (3) System 3, using a Dacron baghouse, identified as DS-3, for particulate control, exhausting through **two (2) Cyclone Dust Collectors, which exhausts back into the grain handling process** ~~stack identified as S-3,~~ consists of the following emission units:
 - (A) Grain handling from Grain Legs to Dual Distributor, with a maximum hourly capacity of 17,500 bushels per hour;

- (B) Grain handling from Dual Distributor to Tripper or Spouts, with a maximum hourly capacity of 17,500 bushels per hour;
 - (C) Grain handling from Tripper or Spouts to Bins, with a maximum hourly capacity of 17,500 bushels per hour;
 - (D) Grain handling from Legs 3 and 4 to Rail Tank, with a maximum hourly capacity of 17,500 bushels per hour;
 - (E) Grain handling from Rail Shed loadout, with a maximum hourly capacity of 17, 500 bushels per hour; and
 - (F) Grain handling from Grain Legs to Dryers, with a maximum hourly capacity of 17, 500 bushels per hour;
- (b) Four (4) fugitive emission points from the Truck Dump, Rail Dump, Rail Loadout, and Barge Loadout, identified as FS-1, FS-2, FS-3, and FS-4, respectively.
 - (c) Two (2) grain dryers, identified as emission unit ID 4 and 5, one with a maximum capacity of 4,000 bushels per hour and the other with a maximum capacity of 3,000 bushels per hour, heated by natural gas, with a heat input rate of thirty six (36) million Btu (MMBtu) per hour, exhausting through one (1) stack each, ~~identified as S-4 and S-5, respectively.~~

SECTION D.1 FACILITY OPERATION CONDITIONS

- (a) Three (3) grain elevator systems, identified as emission units ID 1, 2, and 3, with a maximum total rate of forty (40) million bushels of grain per year, using a Dacron Baghouse each for control, exhausting through ~~three (3) two (2) new Cyclone Dust Collectors. Dust collected is introduced back into the grain handling process~~ ~~stacks; identified as S-1, S-2, and S-3.~~ The three systems are:
 - (1) System 1, using a Dacron baghouse, identified as DS-1, for particulate control, exhausting through **two (2) Cyclone Dust Collectors, which exhausts back into the grain handling process** ~~stack, identified as S-1,~~ consists of the following emission units:
 - (A) One (1) truck receiving area, identified as Truck Dump #1, with a maximum hourly capacity of 17,500 bushels per hour;
 - (B) One (1) truck receiving area identified as Truck Dump #2, with a maximum hourly capacity of 17,500 bushels per hour;
 - (C) Grain handling from Bin 12 Upper to Grain Scale, with a maximum hourly capacity of 40,000 bushels per hour; and
 - (D) Grain handling from Grain Scale to Hawk Belt, with a maximum hourly capacity of 40,000 bushels per hour;
 - (2) System 2, using a Dacron Baghouse, identified as DS-2 for particulate control, exhausting through **two (2) Cyclone Dust Collectors, which exhausts back into the grain handling process** ~~stack, identified as S-2,~~ consists of the following emission units:

- (A) Grain handling from Drag Conveyor DC-1 to Leg 1, with a maximum hourly capacity of 20,000 bushels per hour;
 - (B) Grain handling from Drag Conveyor DC-2 to Leg 2 with a maximum hourly capacity of 20,000 bushels per hour;
 - (C) Grain handling from Rail DC to Legs 3 and 4, with a maximum hourly capacity of 17,500 bushels per hour;
 - (D) Grain handling from Bins to Reclaim Conveyors and Spouts, with a maximum hourly capacity of 17,500 bushels per hour; and
 - (E) Grain handling from Reclaim Conveyors to Grain Legs, with a maximum hourly capacity of 17,500 bushels per hour;
- (3) System 3, using a Dacron Baghouse, identified as DS-3, for particulate control, exhausting through **two (2) Cyclone Dust Collectors, which exhausts back into the grain handling process stack identified as S-3**, consists of the following emission units:
- (A) Grain handling from Grain Legs to Dual Distributor, with a maximum hourly capacity of 17,500 bushels per hour;
 - (B) Grain handling from Dual Distributor to Tripper or Spouts, with a maximum hourly capacity of 17,500 bushels per hour;
 - (C) Grain handling from Tripper or Spouts to Bins, with a maximum hourly capacity of 17,500 bushels per hour;
 - (D) Grain handling from Legs 3 and 4 to Rail Tank, with a maximum hourly capacity of 17,500 bushels per hour;
 - (E) Grain handling from Rail Shed loadout, with a maximum hourly capacity of 17,500 bushels per hour; and
 - (F) Grain handling from Grain Legs to Dryers, with a maximum hourly capacity of 17,500 bushels per hour;
- (b) Four (4) fugitive emission points from the Truck Dump, Rail Dump, Rail Loadout, and Barge Loadout, identified as FS-1, FS-2, FS-3, and FS-4, respectively.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (c) Two (2) grain dryers, identified as emission unit ID 4 and 5, one with a maximum capacity of 4,000 bushels per hour and the other with a maximum capacity of 3,000 bushels per hour, heated by natural gas, with a heat input rate of thirty six (36) million Btu (MMBtu) per hour, exhausting through one (1) stack each, ~~identified as S-4 and S-5~~, respectively.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

All conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Aida De Guzman at (800) 451-6027, press 0 and ask for extension (3-4972), or dial (317) 233-4972.

Sincerely,

Original signed by Nysa James
Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments

APD

cc: File - Posey County
U.S. EPA, Region V
Posey County Health Department
Southwest Regional Office
Air Compliance Section Inspector – Derrick Ohning
Compliance Data Section
Administrative and Development
Technical Support and Modeling



Mitchell E. Daniels, Jr.
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 Commissioner

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**FEDERALLY ENFORCEABLE STATE
 OPERATING PERMIT (FESOP)
 OFFICE OF AIR QUALITY**

**Ag Producer Services, Cargill, Inc.
 Uniontown Road
 Mt. Vernon, Indiana 47620**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F129-12502-00001	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: December 20, 2001 Expiration Date: December 20, 2006
First Administrative Amendment No.: 129-19671-00001, issued on November 18, 2004	
Second Administrative Amendment No.: 129-20730-00001	Pages Affected: 5, 6, 27, 28, 29, 30, 31, 32
Issued by: Original signed by Nysa James for Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: April 1, 2005

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary wholesale grain processing operation.

Authorized individual:	Jason May
Source Address:	Uniontown Road, Mt. Vernon, Indiana 47620
Mailing Address:	P.O. Box 747, Mt. Vernon, Indiana 47620
SIC Code:	5153
Source Location Status:	Posey
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD or Emission Offset Rules

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Three (3) grain elevator systems, identified as emission units ID 1, 2, and 3, with a maximum total rate of forty (40) million bushels of grain per year, using a Dacron Baghouse each for control, exhausting through two (2) new Cyclone Dust Collectors. Dust collected is introduced back into the grain handling process. The three systems are:
 - (1) System 1, using a Dacron baghouse, identified as DS-1, for particulate control, exhausting through two (2) new Cyclone Dust Collectors, which exhausts back into the grain handling process, consists of the following emission units:
 - (A) One (1) truck receiving area, identified as Truck Dump #1, with a maximum hourly capacity of 17,500 bushels per hour;
 - (B) One (1) truck receiving area identified as Truck Dump #2, with a maximum hourly capacity of 17,500 bushels per hour;
 - (C) Grain handling from Bin 12 Upper to Grain Scale, with a maximum hourly capacity of 40,000 bushels per hour; and
 - (D) Grain handling from Grain Scale to Hawk Belt, with a maximum hourly capacity of 40,000 bushels per hour;
 - (2) System 2, using a Dacron baghouse, identified as DS-2 for particulate control, exhausting through two (2) new Cyclone Dust Collectors, which exhausts back into the grain handling process, consists of the following emission units:
 - (A) Grain handling from Drag Conveyor DC-1 to Leg 1, with a maximum hourly capacity of 20,000 bushels per hour;
 - (B) Grain handling from Drag Conveyor DC-2 to Leg 2 with a maximum hourly capacity of 20,000 bushels per hour;

- (C) Grain handling from Rail DC to Legs 3 and 4, with a maximum hourly capacity of 17,500 bushels per hour;
 - (D) Grain handling from Bins to Reclaim Conveyors and Spouts, with a maximum hourly capacity of 17,500 bushels per hour; and
 - (E) Grain handling from Reclaim Conveyors to Grain Legs, with a maximum hourly capacity of 17,500 bushels per hour;
- (3) System 3, using a Dacron baghouse, identified as DS-3, for particulate control, exhausting through two (2) new Cyclone Dust Collectors, which exhausts back into the grain handling process, consists of the following emission units:
- (A) Grain handling from Grain Legs to Dual Distributor, with a maximum hourly capacity of 17,500 bushels per hour;
 - (B) Grain handling from Dual Distributor to Tripper or Spouts, with a maximum hourly capacity of 17,500 bushels per hour;
 - (C) Grain handling from Tripper or Spouts to Bins, with a maximum hourly capacity of 17,500 bushels per hour;
 - (D) Grain handling from Legs 3 and 4 to Rail Tank, with a maximum hourly capacity of 17,500 bushels per hour;
 - (E) Grain handling from Rail Shed loadout, with a maximum hourly capacity of 17, 500 bushels per hour; and
 - (F) Grain handling from Grain Legs to Dryers, with a maximum hourly capacity of 17, 500 bushels per hour;
- (b) Four (4) fugitive emission points from the Truck Dump, Rail Dump, Rail Loadout, and Barge Loadout, identified as FS-1, FS-2, FS-3, and FS-4, respectively.
- (c) Two (2) grain dryers, identified as emission unit ID 4 and 5, one with a maximum capacity of 4,000 bushels per hour and the other with a maximum capacity of 3,000 bushels per hour, heated by natural gas, with a heat input rate of thirty six (36) million Btu (MMBtu) per hour, exhausting through one (1) stack each.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour;
- (b) Propane or liquified petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour;
- (c) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

- (a) Three (3) grain elevator systems, identified as emission units ID 1, 2, and 3, with a maximum total rate of forty (40) million bushels of grain per year, using a Dacron Baghouse each for control, exhausting through two (2) new Cyclone Dust Collectors. Dust collected is introduced back into the grain handling process. The three systems are:
 - (1) System 1, using a Dacron baghouse, identified as DS-1, for particulate control, exhausting through two (2) new Cyclone Dust Collectors, which exhausts back into the grain handling process, consists of the following emission units:
 - (A) One (1) truck receiving area, identified as Truck Dump #1, with a maximum hourly capacity of 17,500 bushels per hour;
 - (B) One (1) truck receiving area identified as Truck Dump #2, with a maximum hourly capacity of 17,500 bushels per hour;
 - (C) Grain handling from Bin 12 Upper to Grain Scale, with a maximum hourly capacity of 40,000 bushels per hour; and
 - (D) Grain handling from Grain Scale to Hawk Belt, with a maximum hourly capacity of 40,000 bushels per hour;
 - (2) System 2, using a Dacron baghouse, identified as DS-2 for particulate control, exhausting through two (2) new Cyclone Dust Collectors, which exhausts back into the grain handling process, consists of the following emission units:
 - (A) Grain handling from Drag Conveyor DC-1 to Leg 1, with a maximum hourly capacity of 20,000 bushels per hour;
 - (B) Grain handling from Drag Conveyor DC-2 to Leg 2 with a maximum hourly capacity of 20,000 bushels per hour;
 - (C) Grain handling from Rail DC to Legs 3 and 4, with a maximum hourly capacity of 17,500 bushels per hour;
 - (D) Grain handling from Bins to Reclaim Conveyors and Spouts, with a maximum hourly capacity of 17,500 bushels per hour; and
 - (E) Grain handling from Reclaim Conveyors to Grain Legs, with a maximum hourly capacity of 17,500 bushels per hour;
 - (3) System 3, using a Dacron baghouse, identified as DS-3, for particulate control, exhausting through two (2) new Cyclone Dust Collectors, which exhausts back into the grain handling process, consists of the following emission units:
 - (A) Grain handling from Grain Legs to Dual Distributor, with a maximum hourly capacity of 17,500 bushels per hour;
 - (B) Grain handling from Dual Distributor to Tripper or Spouts, with a maximum hourly capacity of 17,500 bushels per hour;

(C)	Grain handling from Tripper or Spouts to Bins, with a maximum hourly capacity of 17,500 bushels per hour;
(D)	Grain handling from Legs 3 and 4 to Rail Tank, with a maximum hourly capacity of 17,500 bushels per hour;
(E)	Grain handling from Rail Shed loadout, with a maximum hourly capacity of 17,500 bushels per hour; and
(F)	Grain handling from Grain Legs to Dryers, with a maximum hourly capacity of 17,500 bushels per hour;
(b)	Four (4) fugitive emission points from the Truck Dump, Rail Dump, Rail Loadout, and Barge Loadout, identified as FS-1, FS-2, FS-3, and FS-4, respectively.
(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)	

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the particulate matter emissions from the equipment listed above shall not exceed the pound per hour emission rate reported below:

Process/Facility	Process Weight Rate (bushels/hr)	Process Weight Rate (ton/hr)	Emission Rate (lb/hr)
Group 001 Processes			
Truck Dump #1	17,500	525	69.54
Truck Dump #2	17,500	525	69.54
Bin 12 Upper to Grain Scale	40,000	1,200	79.97
Grain Scale to Hawk Belt	40,000	1,200	79.97
Group 002 Processes			
DC1 to Leg1	20,000	600	71.16
DC2 to Leg 2	20,000	600	71.16
Rail DC to Legs 3 and 4	17,500	525	69.54
Bins to Reclaim Conveyors and Spouts	17,500	525	69.54
Reclaim Conveyors to Grain Legs	17,500	525	69.54
Group 003 Processes			
Grain Legs to Dual Distributor	17,500	525	69.54
Dual Distributor to Tripper	17,500	525	69.54
Tripper or Spouts to Bins	17,500	525	69.54
Legs 3 and 4 to Rail Tank	17,500	525	69.54

Process/Facility	Process Weight Rate (bushels/hr)	Process Weight Rate (ton/hr)	Emission Rate (lb/hr)
Rail Shed Loadout	17,500	525	69.54
Grain Legs to Dryers	17,500	525	69.54

These limits were calculated using the following equations:

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.1.2 Particulate Emissions Limit [326 IAC2-2] [40 CFR 52.21] [326 IAC 2-8]

- (a) The grain elevators shall be limited to forty million (40,000,000) bushels of grain per 12 consecutive month period. This is the same limit as Condition D.2.2. The source shall be limited to PM emissions of 0.035 pounds per ton of grain for receiving units, 0.061 pounds per ton of grain for shipping, handling, and loadout units, 0.27 pound per ton of grain for the rail shed loadout, and 0.2 pounds per ton of grain for the drying units. These limitations are equivalent to limiting PM emissions to less than two hundred fifty (250) tons per year. Compliance with these limits and the use of the baghouses make 326 IAC 2-2 (Prevention of Significant Deterioration) and 40 CFR 52.21, not applicable.
- (b) The grain elevators shall be limited to forty million (40,000,000) bushels of grain per 12 consecutive month period. This is the same limit as Condition D.2.2. The source shall be limited to PM10 emissions of 0.0078 pounds per ton of grain for receiving units, 0.055 pounds per ton of grain for drying units, and 0.0022 pounds per ton of grain for shipping units. These limitations are equivalent to limiting PM10 emissions to less than one hundred (100) tons per year. Compliance with the limits and the use of baghouses make 326 IAC 2-7 (Part 70 Permit program) not applicable.

D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.

Compliance Determination Requirements

D.1.4 Particulate Matter (PM)

In order to comply with D.1.1 and D.1.2 the baghouses shall be in operation at all times that the facilities mentioned above are in operation.

Compliance Monitoring Requirements [326 IAC 2-8-5(a)(1)]

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of each stack exhaust shall be performed once per shift during normal daylight operations while combusting fuel oil. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

D.1.6 Parametric Monitoring

The Permittee shall record the total static pressure drop across the baghouses used in conjunction with the process mentioned above, at least once per shift when the processes are in operation when venting to the atmosphere. When for any one reading, the pressure drop across the baghouses is outside the normal range of 2.0 and 10.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Compliance Response Plan -Failure to Take Response. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a violation of this permit.

The instrument used for determining the pressure shall comply with Section C - Pressure Gauge and Other Instruments Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.7 Baghouse Inspections

An inspection shall be performed each calendar quarter of all bags controlling the processes mentioned above when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.

D.1.8 Broken or Failed Bag Detection

In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if there are no visible emissions or if the event qualifies as an emergency and the Permittee satisfies the emergency provisions of this permit (Section B- Emergency Provisions). Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps, shall be considered a violation of this permit.
- (b) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.9 Record Keeping Requirements

- (a) To document compliance with Condition D.1.2 the permittee shall maintain records of the bushels of grain processed. This is the same record that is required in Condition D.2.5.
- (b) To document compliance with Condition D.1.5, the Permittee shall maintain records of visible emission notations of the stack exhaust once per shift.
- (c) To document compliance with Condition D.1.6, the Permittee shall maintain the following:

- (1) Once per shift records of the following operational parameters during normal operation when venting to the atmosphere:
 - (A) Inlet and outlet differential static pressure; and
 - (B) Cleaning cycle operation.
- (2) Documentation of the dates vents are redirected.
- (d) To document compliance with D.1.7, the permittee shall maintain records of the results of the inspections required.
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:
 (c) Two (2) grain dryers, identified as emission unit ID 4 and 5, one with a maximum capacity of 4,000 bushels per hour and the other with a maximum capacity of 3,000 bushels per hour, heated by natural gas, with a heat input rate of thirty six (36) million Btu (MMBtu) per hour, exhausting through one (1) stack each.

 (The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.2.1 Particulate Matter (PM) [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the particulate matter emissions from the equipment listed above shall not exceed the pound per hour emission rate reported below:

Process/Facility	Process Weight Rate (bushels/hr)	Process Weight Rate (ton/hr)	Emission Rate (lb/hr)
Dryers			
Meyer Dryer	4,000	120	53.13
Berico Dryer	3,000	90	50.23

These limitations were based on the equation below:
 Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour; and } P = \text{process weight rate in tons per hour}$$

D.2.2 Particulate Emissions Unit [326 IAC 2-2] [40 CFR 52.21] [326 IAC 2-8]

- (a) The grain elevators shall be limited to forty million (40,000,000) bushels of grain dried per 12-month period. This is the same limit as Condition D.1.9. This limit is required to limit the potential to emit of particulate matter to below 250 tons per year. Compliance with this limit and the use of the baghouses makes 326 IAC 2-2 and 40 CFR 52.21, not applicable.
- (b) The source shall limit PM10 emissions to less than 100 tons per year which will render 326 IAC 2-7 (Part 70 Permit Program) not applicable. This is the same limit as Condition D.1.9. The source will be in compliance with this limitation by limiting the grain elevators to forty million (40,000,000) bushels of grain per twelve (12) consecutive month period and by using the baghouses.

D.2.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and any control devices.