



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: September 17, 2010

RE: ADM Grain Company / 017-29585-00017

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

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 IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require 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 Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of 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-MOD.dot 12/3/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

Aysley Folkard
ADM Grain Company
4666 Faries Parkway
Decatur, IL 62525

September 17, 2010

Re: 017-29585-00017
First Minor Revision to
F017-23897-00017

Dear Ms. Folkard:

ADM Grain Company - Logansport Terminal was issued a Federally Enforceable State Operating Permit (FESOP) No. F017-23897-00017 on July 20, 2007 for a stationary country grain elevator located at 2626 South 275 West, Logansport, Indiana 46947. On August 20, 2010, the Office of Air Quality (OAQ) received an application from the source requesting to increase the capacity of their temporary grain storage piles. The attached Technical Support Document (TSD) provides additional explanation of the changes to the source/permit. Pursuant to the provisions of 326 IAC 2-8-11.1, these changes to the permit are required to be reviewed in accordance with the Minor Permit Revision (MPR) procedures of 326 IAC 2-8-11.1(e). Pursuant to the provisions of 326 IAC 2-8-11.1, a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised 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 Summer Keown, of my staff, at 317-234-5175 or 1-800-451-6027, and ask for extension 4-5715.

Sincerely,

Alfred C. Dumauval, Ph. D., Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document, calculations, revised permit, and NSPS

ACD/SJK

cc: File - Cass County
Cass County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch
Billing, Licensing and Training Section



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

**New Source Review and Federally Enforceable State
Operating Permit
OFFICE OF AIR QUALITY**

**ADM Grain Company - Logansport Terminal
2626 South 275 West
Logansport, Indiana 46947**

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

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. This permit also addresses new source review requirements and is intended to fulfill the new source review procedures and permit revision requirements pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

Operation Permit No.: F017-23897-00017	
Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: July 20, 2007 Expiration Date: July 20, 2012

First Administrative Amendment No. 017-27504-00017, issued on March 18, 2009
Second Administrative Amendment No.: 017-28942-00017, issued on April 5, 2010

First Minor Permit Revision No. 017-29585-00017	
Issued by:  Alfred C. Dumaul, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: September 17, 2010 Expiration Date: July 20, 2012

TABLE OF CONTENTS

A. SOURCE SUMMARY	Error! Bookmark not defined.
A.1	General Information [326 IAC 2-8-3(b)]
A.2	Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]
A.3	Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(l)]
A.4	FESOP Applicability [326 IAC 2-8-2]
B. GENERAL CONDITIONS	7
B.1	Definitions [326 IAC 2-8-1]
B.2	Revocation of Permits [326 IAC 2-1.1-9(5)]
B.3	Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4][326 IAC 2-8-]
B.4	Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]
B.5	Term of Conditions [326 IAC 2-1.1-9.5]
B.6	Enforceability [326 IAC 2-8-6] [IC 13-17-12]
B.7	Severability [326 IAC 2-8-4(4)]
B.8	Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]
B.9	Duty to Provide Information [326 IAC 2-8-4(5)(E)]
B.10	Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]
B.11	Annual Compliance Certification [326 IAC 2-8-5(a)(1)]
B.12	Compliance Order Issuance [326 IAC 2-8-5(b)]
B.13	Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]
B.14	Emergency Provisions [326 IAC 2-8-12]
B.15	Prior Permits Superseded [326 IAC 2-1.1-9.5]
B.16	Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]
B.17	Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]
B.18	Permit Renewal [326 IAC 2-8-3(h)]
B.19	Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]
B.20	Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]
B.21	Source Modification Requirement [326 IAC 2-8-11.1]
B.22	Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2] [IC 13-30-3-1]
B.23	Transfer of Ownership or Operational Control [326 IAC 2-8-10]
B.24	Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7]
B.25	Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]
C. SOURCE OPERATION CONDITIONS	16
Emission Limitations and Standards [326 IAC 2-8-4(1)]	
C.1	Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]
C.2	Overall Source Limit [326 IAC 2-8]
C.3	Opacity [326 IAC 5-1]
C.4	Open Burning [326 IAC 4-1] [IC 13-17-9]
C.5	Incineration [326 IAC 4-2] [326 IAC 9-1-2]
C.6	Fugitive Dust Emissions [326 IAC 6-4]
C.7	Stack Height [326 IAC 1-7]
C.8	Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

Testing Requirements [326 IAC 2-8-4(3)]

- C.9 Performance Testing [326 IAC 3-6]

Compliance Requirements [326 IAC 2-1.1-11]

- C.10 Compliance Requirements [326 IAC 2-1.1-11]

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

- C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]
- C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)]
[326 IAC 2-8-5(1)]

Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

- C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]
- C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]
- C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]
[326 IAC 2-8-5]

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

- C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]
- C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

Stratospheric Ozone Protection

- C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

D.1. EMISSIONS UNIT OPERATION CONDITIONS..... 23

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

- D.1.1 FESOP Limit [326 IAC 2-8-4]
- D.1.2 PSD Minor Limitations [326 IAC 2-2]
- D.1.3 Particulate Limitations [326 IAC 6-3-2]

Compliance Determination Requirements

- D.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]
- D.1.5 Particulate Control
- D.1.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

- D.1.7 Visible Emissions Notations
- D.1.8 Parametric Monitoring
- D.1.9 Broken or Failed Bag Detection

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

- D.1.10 Record Keeping Requirements
- D.1.11 Reporting Requirements
- D.1.12 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]

E.1. EMISSIONS UNIT OPERATION CONDITIONS..... 29

- E.1.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR 60, Subpart A]
- E.1.2 New Source Performance Standards (NSPS) for Grain Elevators [40 CFR 60, Subpart DD]
[326 IAC 12-1]

Certification Form	31
Emergency Occurrence Form	32
Quarterly Report Form	34
Quarterly Deviation and Compliance Monitoring Report Form	35

SECTION A

SOURCE SUMMARY

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.2 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 country grain elevator.

Source Address:	2626 South 275 West, Logansport, Indiana 46947
General Source Phone:	(217) 424-4631
SIC Code:	5153
Source Location Status:	Cass
Source Status:	Attainment for all criteria pollutants Federally Enforceable State Operating Permit (FESOP) Minor Source under PSD Minor Source, Section 112 of the Clean Air Act

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) One (1) rail pit and drag claim reclaim system, rated at 5,000 bushels per hour;
- (b) One (1) truck loadout (located over Pit No. 3), with a maximum capacity of 7,000 bushels per hour;
- (c) Two (2) side draw truck loadout spouts;
- (d) One (1) rail loadout with telescoping spout, enclosed by shed;
- (e) Thirty-seven (37) concrete storage silos, with a maximum total storage capacity of 1,199,192 bushels;
- (f) Six (6) steel bins, with a maximum total storage capacity of 2,747,768 bushels;
- (g) Nine (9) belts serving the steel bins, each with a maximum capacity of 20,000 bushels per hour;
- (h) Three (3) temporary storage piles with conveyors, and one (1) temporary storage pile filled by a portable auger with a total maximum storage capacity of 11,000,000 bushels per year;
- (i) Two (2) natural gas-fired column grain dryers, identified as Dryer #1 and Dryer #2, each rated at 20.9 million British thermal units (MMBtu) per hour, with a maximum capacity of processing 7,000 and 4,000 bushels of grain per hour, respectively;
- (j) One (1) wet leg serving Dryers #1 and #2, with a maximum capacity of 15,000 bushels per hour;

- (k) Four (4) receiving pits, identified as Pits #1 through #4, Pits #1 and #2 are enclosed by sheds with particulate emissions controlled by one (1) baghouse, identified as F1, exhausting through one (1) stack (F1), and Pits #3 and #4 with particulate emissions controlled by one (1) baghouse, identified as F2, exhausting through one (1) stack (F2);
- (l) One (1) enclosed receiving conveyor, serving Pits #1 and #2, with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F1, exhausting through one (1) stack (F1);
- (m) One (1) receiving leg, serving Pits #1 and #2, with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (n) One (1) receiving leg, serving Pit #3, with a maximum capacity of 18,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (o) One (1) receiving leg, serving Pit #4, with a maximum capacity of 18,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (p) Two (2) stationary enclosed cleaners, each with a maximum capacity of 22,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (q) Two (2) enclosed conveyors, serving the concrete silos, each with a maximum capacity of 35,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (r) One (1) enclosed conveyor, serving the concrete silos, with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (s) One (1) enclosed distributor, serving the concrete silos, with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (t) Two (2) enclosed distributors, serving the concrete silos, each with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (u) One (1) enclosed reclaim conveyor, serving the concrete silos, with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (v) One (1) dry leg, serving Dryers #1 and #2, with a maximum capacity of 18,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (w) One (1) shipping leg, with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (x) One (1) enclosed shipping conveyor, with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);

- (y) One (1) enclosed reclaim conveyor, serving five (5) of the steel bins (Steel Bins A through E), with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (z) One (1) reclaim conveyor, serving one (1) of the steel bins (Steel Bin F), with a maximum capacity of 20,000 bushels per hour, particulate emissions are controlled by one (1) existing baghouse identified as F4, exhausting through one (1) stack (F4).
- (aa) One (1) crossover conveyor, serving one (1) of the steel bins (Steel Bin F), with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, one (1) existing baghouse, identified as F4, exhausting through one (1) stack (F4).
- (bb) One (1) baghouse, identified as F5, which receives collected dust from baghouses F2 and F3, exhausting through one (1) stack (F5); and
- (cc) Unpaved roads and parking lots with public access.
- (dd) Two (2) grain storage bins, identified as Bin 10 and Bin 11, approved for construction in 2010, each with a maximum storage capacity of 1,004,000 bushels;
- (ee) Three (3) enclosed fill conveyors, serving the grain storage bins (Bin 10 and Bin 11), constructed in 2009, two (2) each with a maximum capacity of 30,000 bushels per hour and one (1) with a maximum capacity of 25,000 bushels per hour;
- (ff) Two (2) enclosed reclaim conveyor, serving the grain storage bins (Bin 10 and Bin 11), approved for construction in 2009, with a maximum capacity of 25,000 bushels per hour.

Under 40 CFR 60, Subpart DD, emission units (a) through (d), (f), (h), (i), (k) through (bb), (ee) and (ff) listed above are considered affected facilities. [40 CFR 60, Subpart DD]

The source has a maximum throughput of 40,000,000 bushels per year, therefore, the maximum throughput to grain receiving, grain shipping, grain drying, and grain cleaning is 40,000,000 bushels of grain per year. The headhouse and internal handling operations have a maximum throughput of 2 times the maximum grain throughput because the grain is typically handled more than once.

A.3 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4][326 IAC 2-8]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 and 326 IAC 2-8 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

B.4 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, F017-28942-00017, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.5 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.6 Enforceability [326 IAC 2-8-6] [IC 13-17-12]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.7 Severability [326 IAC 2-8-4(4)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.8 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.9 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.10 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:
 - (i) it contains a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1), and
 - (ii) the certification is based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the

shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.12 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.13 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.14 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
 - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,
Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality,
Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to F017-28942-00017 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,

- (2) revised, or
- (3) deleted.

(b) All previous registrations and permits are superseded by this permit.

B.16 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

**B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]**

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.18 Permit Renewal [326 IAC 2-8-3(h)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003

Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-8-3(g), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.19 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.20 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) **Emission Trades [326 IAC 2-8-15(c)]**
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) **Alternative Operating Scenarios [326 IAC 2-8-15(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.22 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2 (PSD), potential to emit particulate matter (PM) from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

Testing Requirements [326 IAC 2-8-4(3)]

C.9 Performance Testing [326 IAC 3-6]

- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than 180 days from the date on which this source commences operation.

The ERP does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
- (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

- (1) monitoring results;
 - (2) review of operation and maintenance procedures and records; and/or
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:
- Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) One (1) rail pit and drag chain reclaim system, rated at 5,000 bushels per hour;
- (b) One (1) truck loadout (located over Pit No. 3), with a maximum capacity of 7,000 bushels per hour;
- (c) Two (2) side draw truck loadout spouts;
- (d) One (1) rail loadout with telescoping spout, enclosed by shed;
- (e) Thirty-seven (37) concrete storage silos, with a maximum total storage capacity of 1,199,192 bushels;
- (f) Six (6) steel bins, with a maximum total storage capacity of 2,747,768 bushels;
- (g) Nine (9) belts serving the steel bins, each with a maximum capacity of 20,000 bushels per hour;
- (h) Three (3) temporary storage piles with conveyors, and one (1) temporary storage pile filled by a portable auger with a total maximum storage capacity of 11,000,000 bushels per year;
- (i) Two (2) natural gas-fired column grain dryers, identified as Dryer #1 and Dryer #2, each rated at 20.9 million British thermal units (MMBtu) per hour, with a maximum capacity of processing 7,000 and 4,000 bushels of grain per hour, respectively;
- (j) One (1) wet leg serving Dryers #1 and #2, with a maximum capacity of 15,000 bushels per hour;
- (k) Four (4) receiving pits, identified as Pits #1 through #4, Pits #1 and #2 are enclosed by sheds with particulate emissions controlled by one (1) baghouse, identified as F1, exhausting through one (1) stack (F1), and Pits #3 and #4 with particulate emissions controlled by one (1) baghouse, identified as F2, exhausting through one (1) stack (F2);
- (l) One (1) enclosed receiving conveyor, serving Pits #1 and #2, with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F1, exhausting through one (1) stack (F1);
- (m) One (1) receiving leg, serving Pits #1 and #2, with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (n) One (1) receiving leg, serving Pit #3, with a maximum capacity of 18,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (o) One (1) receiving leg, serving Pit #4, with a maximum capacity of 18,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (p) Two (2) stationary enclosed cleaners, each with a maximum capacity of 22,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (q) Two (2) enclosed conveyors, serving the concrete silos, each with a maximum capacity of 35,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);

- (r) One (1) enclosed conveyor, serving the concrete silos, with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (s) One (1) enclosed distributor, serving the concrete silos, with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (t) Two (2) enclosed distributors, serving the concrete silos, each with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (u) One (1) enclosed reclaim conveyor, serving the concrete silos, with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (v) One (1) dry leg, serving Dryers #1 and #2, with a maximum capacity of 18,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (w) One (1) shipping leg, with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (x) One (1) enclosed shipping conveyor, with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (y) One (1) enclosed reclaim conveyor, serving five (5) of the steel bins (Steel Bins A through E), with a maximum capacity of 40,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, identified as F3, exhausting through one (1) stack (F3);
- (z) One (1) reclaim conveyor, serving one (1) of the steel bins (Steel Bin F), with a maximum capacity of 20,000 bushels per hour, particulate emissions are controlled by one (1) existing baghouse identified as F4, exhausting through one (1) stack (F4);
- (aa) One (1) crossover conveyor, serving one (1) of the steel bins (Steel Bin F), with a maximum capacity of 20,000 bushels per hour, with particulate emissions controlled by one (1) existing baghouse, one (1) existing baghouse, identified as F4, exhausting through one (1) stack (F4);
- (bb) One (1) baghouse, identified as F5, which receives collected dust from baghouses F2 and F3, exhausting through one (1) stack (F5); and
- (cc) Unpaved roads and parking lots with public access.
- (dd) Two (2) grain storage bins, identified as Bin 10 and Bin 11, approved for construction in 2010, each with a maximum storage capacity of 1,004,000 bushels;
- (ee) Three (3) enclosed fill conveyors, serving the grain storage bins (Bin 10 and Bin 11), approved for construction in 2009, Two (2) each with a maximum capacity of 30,000 bushels per hour and one (1) with a maximum capacity of 25,000 bushels per hour;
- (ff) Two (2) enclosed reclaim conveyor, serving the grain storage bins (Bin 10 and Bin 11), approved for construction in 2009, with a maximum capacity of 25,000 bushels per hour;

Under 40 CFR 60, Subpart DD, emission units (a) through (d), (f), (h), (i), (k) through (bb), (ee) (ff) listed above are considered affected facilities. [40 CFR 60, Subpart DD]

The source has a maximum throughput of 40,000,000 bushels per year, therefore, the maximum throughput to grain receiving, grain shipping, grain drying, and grain cleaning is 40,000,000 bushels of grain per year. The headhouse and internal handling operations have a maximum throughput of 2 times the maximum grain throughput because the grain is typically handled more than once.

(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 FESOP Limit [326 IAC 2-8-4]

The source will limit PM₁₀ emissions to less than 100 tons per year as follows:

Process	PM ₁₀ Emission Limitation (lb/ton of grain)	Grain Throughput Limit (Tons/12 consecutive month period)
Receiving Unit including Pit #1 through Pit #4 and Receiving Conveyor	0.000334	1,160,000*
Headhouse and Internal Handling unit	0.00034	2,320,000*
Rail or Truck Shipping	0.0029	1,160,000*
Grain Dryer (Dryer #1 and Dryer #2)	0.055	600,000
Grain Cleaning Unit	0.000188	1,160,000*

*Note: Operating at maximum throughput.

Compliance with the above limits, combined with the potential to emit of PM₁₀ emissions from natural gas combustion, temporary grain storage piles, and unpaved roadways, will limit the source-wide PM₁₀ emissions to less than 100 tons per year and the render the requirements of 326 IAC 2-7 and 326 IAC 2-2 (PSD) not applicable.

D.1.2 PSD Minor Limitations [326 IAC 2-2]

The source will limit PM emissions to less than 250 tons per year as follows:

Process	PM Emission Limitation (lb/ton of grain)	Grain Throughput Limit (Tons/12 consecutive month period)
Receiving Unit including Pit #1 through Pit #4 and Receiving Conveyor	0.001075	1,160,000*
Headhouse and Internal Handling unit	0.00061	2,320,000*
Rail or Truck Shipping	0.0086	1,160,000*
Grain Dryer (Dryer #1 and Dryer #2)	0.22	600,000
Grain Cleaning Unit	0.00075	1,160,000*

*Note: Operating at maximum throughput.

Compliance with the above limits, combined with the potential to emit of particulate matter emissions from natural gas combustion, temporary grain storage piles, and unpaved roadways, will limit the source-wide PM emissions to less than 250 tons per year and render the requirements of 326 IAC 2-2 (PSD) not applicable.

D.1.3 Particulate Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the facilities listed below shall be limited as follows:

The pounds per hour limitation was calculated with the following equation:

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

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

Emission Unit	Process Weight Rate (tons per hour)	Allowable Particulate Emissions (lb/hr)
Grain Receiving		
Rail pit and drag chain reclaim system	145	55.09
Truck loadout (located over Pit No. 3)	203	58.67
Headhouse and Internal Handling		
Nine (9) belts serving the steel bins	580 each	70.75 each
One (1) wet leg serving Dryers #1 and #2	435	67.29
Grain Drying		
Dryer #1	203	53.67
Dryer #2	116	52.78
Grain Storage		
Thirty Seven (37) concrete storage silos	1,015 each	77.78 each
Eight (8) grain storage bins	580 each	70.75 each

D.1.4 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 the following facilities and their control devices: thirty seven (37) concrete storage silos, eight (8) grain storage bins, receiving unit and receiving conveyor, headhouse and internal handling unit, two (2) grain dryers, and the grain cleaning unit.

Compliance Determination Requirements

D.1.5 Particulate Control

- (a) In order to comply with conditions D.1.1, D.1.2 and D.1.12, the baghouses (F1 through F5) for particulate control shall be in operation and control emissions from the receiving Pits #1 through #4, the receiving conveyor serving Pits #1 and #2, the receiving legs serving Pits #1 through #4, the grain cleaning, and the internal handling operations at all times that these facilities are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

D.1.6 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

No later than 180 days after issuance of this permit F017-23897-00017, in order to determine compliance with Conditions D.1.1 and D.1.2, the Permittee shall perform PM and PM₁₀ emission stack testing for the grain dryers, receiving units and receiving conveyors, headhouse and internal handling unit, rail or truck shipping, and grain cleaning unit, utilizing the methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM₁₀ includes filterable and condensable PM₁₀. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C - Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

Compliance Monitoring Requirements [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

D.1.7 Visible Emissions Notations

- (a) Daily visible emission notations of the baghouses F1 through F5 stack exhausts shall be performed during normal daylight operations when 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) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.1.8 Parametric Monitoring

The Permittee shall record the pressure drop across each of the baghouses used in conjunction with the receiving Pits #1 through #4, the receiving conveyor serving Pits #1 and #2, the receiving legs serving Pits #1 through #4, the grain cleaning, and the internal handling operations, at least once per day when the receiving Pits #1 through #4, the receiving conveyor serving Pits #1 and #2, the receiving legs serving Pits #1 through #4, the grain cleaning, and the internal handling operations are in operation. When for any one reading, the pressure drop across any one (1) of the baghouses is outside the normal range of 1.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. 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 - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.9 Broken or Failed Bag Detection

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has 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).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. 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).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.10 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1 and D.1.2, the Permittee shall maintain monthly records of the amount of grain input to the grain dryer.
- (b) To document compliance with Condition D.1.6, the Permittee shall maintain a daily record of visible emission notations for each of the stack exhausts for baghouses F1 through F5. The Permittee shall include in each daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (c) To document compliance with Condition D.1.7, the Permittee shall maintain a daily record of pressure drop reading across each of the baghouses F1 through F5. The Permittee shall include in each daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.11 Reporting Requirements

A quarterly report and a summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted no later than (30) days after the end of the quarter month period being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting requirement. The report submitted by the Permittee does require a certification that meet the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1.

SECTION E.1

FACILITY OPERATION CONDITIONS

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

- (a) One (1) rail pit and drag chain reclaim system, rated at 5,000 bushels per hour;
- (b) One (1) truck loadout (located over Pit No. 3), with a maximum capacity of 7,000 bushels per hour;
- (c) Two (2) side draw truck loadout spouts;
- (d) One (1) rail loadout with telescoping spout, enclosed by shed;
- (f) Six (6) steel bins, with a maximum total storage capacity of 2,747,768 bushels;
- (h) Three (3) temporary storage piles with conveyors, and one (1) temporary storage pile filled by a portable auger with a total maximum storage capacity of 11,000,000 bushels per year;
- (i) Two (2) natural gas-fired column grain dryers, identified as Dryer #1 and Dryer #2, each rated at 20.9 million British thermal units (MMBtu) per hour, with a maximum capacity of processing 7,000 and 4,000 bushels of grain per hour, respectively;
- (k) Four (4) receiving pits, identified as Pits #1 through #4, Pits #1 and #2 are enclosed by sheds with particulate emissions controlled by one (1) baghouse, identified as F1, exhausting through one (1) stack (F1), and Pits #3 and #4 with particulate emissions controlled by one (1) baghouse, identified as F2, exhausting through one (1) stack (F2);
- (bb) One (1) baghouse, identified as F5, which receives collected dust from baghouses F2 and F3, exhausting through one (1) stack (F5); and
- (ee) Three (3) enclosed fill conveyors, serving the grain storage bins (Bin 10 and Bin 11), approved for construction in 2009, Two (2) each with a maximum capacity of 30,000 bushels per hour and one (1) with a maximum capacity of 25,000 bushels per hour;
- (ff) Two (2) enclosed reclaim conveyor, serving the grain storage bins (Bin 10 and Bin 11), approved for construction in 2009, with a maximum capacity of 25,000 bushels per hour;

Under 40 CFR 60, Subpart DD, emission units (a) through (d), (f), (h), (i), (k) through (bb), (ee) (ff) listed above are considered affected facilities. [40 CFR 60, Subpart DD]

The source has a maximum throughput of 40,000,000 bushels per year, therefore, the maximum throughput to grain receiving, grain shipping, grain drying, and grain cleaning is 40,000,000 bushels of grain per year. The headhouse and internal handling operations have a maximum throughput of 2 times the maximum grain throughput because the grain is typically handled more than once.

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

E.1.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR 60, Subpart A]

The provisions of 40 CFR 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the truck and railcar unloading and loading stations and all grain handling operations, which includes headhouse and internal handling and grain cleaning, except when otherwise specified in 40 CFR 60, Subpart DD.

E.1.2 New Source Performance Standards (NSPS) for Grain Elevators [40 CFR 60, Subpart DD]
[326 IAC 12-1]

The Permittee, which operates a grain storage elevator which commenced construction after August 3, 1978, shall comply with the following provisions of 40 CFR Part 60, Subpart DD (included as Attachment A of this permit), which are incorporated by reference as 326 IAC 12:

- (1) 40 CFR 60.300
- (2) 40 CFR 60.301
- (3) 40 CFR 60.302(b) and (c)
- (4) 40 CFR 60.303

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: ADM Grain Company - Logansport Terminal
Source Address: 2626 South 275 West, Logansport, Indiana 46947
Mailing Address: 4666 Faries Parkway, Decatur, Illinois 62525
FESOP Permit No.: F017-28942-00017

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)_____
- Report (specify)_____
- Notification (specify)_____
- Affidavit (specify)_____
- Other (specify)_____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: ADM Grain Company - Logansport Terminal
Source Address: 2626 South 275 West, Logansport, Indiana 46947
Mailing Address: 4666 Faries Parkway, Decatur, Illinois 62525
FESOP Permit No.: F017-28942-00017

This form consists of 2 pages

Page 1 of 2

- | |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16 |
|---|

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

FESOP Quarterly Report

Source Name: ADM Grain Company - Logansport Terminal
Source Address: 2626 South 275 West, Logansport, Indiana 46947
Mailing Address: 4666 Faries Parkway, Decatur, Illinois 62525
FESOP Permit No.: F017-28942-00017
Facility: Grain Dryers
Parameter: Total Grain Processed
Limit: Less than 600,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: ADM Grain Company - Logansport Terminal
Source Address: 2626 South 275 West, Logansport, Indiana 46947
Mailing Address: 4666 Faries Parkway, Decatur, Illinois 62525
FESOP Permit No.: F017-28942-00017

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked ΔNo deviations occurred this reporting period@.</p>	
<p><input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</p>	
<p><input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attachment A: New Source Performance Standards
Subpart DD Standards of Performance for Grain Elevators
for
ADM Grain Company - Logansport Terminal
FESOP No. F017-23897-00017

Title 40: Protection of Environment

PART 60—STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES

Subpart DD—Standards of Performance for Grain Elevators

Source: 43 FR 34347, Aug. 3, 1978, unless otherwise noted.

§ 60.300 Applicability and designation of affected facility.

(a) The provisions of this subpart apply to each affected facility at any grain terminal elevator or any grain storage elevator, except as provided under §60.304(b). The affected facilities are each truck unloading station, truck loading station, barge and ship unloading station, barge and ship loading station, railcar loading station, railcar unloading station, grain dryer, and all grain handling operations.

(b) Any facility under paragraph (a) of this section which commences construction, modification, or reconstruction after August 3, 1978, is subject to the requirements of this part.

[43 FR 34347, Aug. 3, 1978, as amended at 52 FR 42434, Nov. 5, 1988]

§ 60.301 Definitions.

As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in subpart A of this part.

(a) *Grain* means corn, wheat, sorghum, rice, rye, oats, barley, and soybeans.

(b) *Grain elevator* means any plant or installation at which grain is unloaded, handled, cleaned, dried, stored, or loaded.

(c) *Grain terminal elevator* means any grain elevator which has a permanent storage capacity of more than 88,100 m³ (ca. 2.5 million U.S. bushels), except those located at animal food manufacturers, pet food manufacturers, cereal manufacturers, breweries, and livestock feedlots.

(d) *Permanent storage capacity* means grain storage capacity which is inside a building, bin, or silo.

(e) *Railcar* means railroad hopper car or boxcar.

(f) *Grain storage elevator* means any grain elevator located at any wheat flour mill, wet corn mill, dry corn mill (human consumption), rice mill, or soybean oil extraction plant which has a permanent grain storage capacity of 35,200 m³ (ca. 1 million bushels).

- (g) *Process emission* means the particulate matter which is collected by a capture system.
- (h) *Fugitive emission* means the particulate matter which is not collected by a capture system and is released directly into the atmosphere from an affected facility at a grain elevator.
- (i) *Capture system* means the equipment such as sheds, hoods, ducts, fans, dampers, etc. used to collect particulate matter generated by an affected facility at a grain elevator.
- (j) *Grain unloading station* means that portion of a grain elevator where the grain is transferred from a truck, railcar, barge, or ship to a receiving hopper.
- (k) *Grain loading station* means that portion of a grain elevator where the grain is transferred from the elevator to a truck, railcar, barge, or ship.
- (l) *Grain handling operations* include bucket elevators or legs (excluding legs used to unload barges or ships), scale hoppers and surge bins (garners), turn heads, scalpors, cleaners, trippers, and the headhouse and other such structures.
- (m) *Column dryer* means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in one or more continuous packed columns between two perforated metal sheets.
- (n) *Rack dryer* means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in a cascading flow around rows of baffles (racks).
- (o) *Unloading leg* means a device which includes a bucket-type elevator which is used to remove grain from a barge or ship.

[43 FR 34347, Aug. 3, 1978, as amended at 65 FR 61759, Oct. 17, 2000]

§ 60.302 Standard for particulate matter.

(a) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any gases which exhibit greater than 0 percent opacity from any:

- (1) Column dryer with column plate perforation exceeding 2.4 mm diameter (ca. 0.094 inch).
- (2) Rack dryer in which exhaust gases pass through a screen filter coarser than 50 mesh.

(b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility except a grain dryer any process emission which:

- (1) Contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf).
- (2) Exhibits greater than 0 percent opacity.

(c) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any fugitive emission from:

- (1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.
- (2) Any grain handling operation which exhibits greater than 0 percent opacity.

(3) Any truck loading station which exhibits greater than 10 percent opacity.

(4) Any barge or ship loading station which exhibits greater than 20 percent opacity.

(d) The owner or operator of any barge or ship unloading station shall operate as follows:

(1) The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper.

(2) The total rate of air ventilated shall be at least 32.1 actual cubic meters per cubic meter of grain handling capacity (ca. 40 ft³ /bu).

(3) Rather than meet the requirements of paragraphs (d)(1) and (2) of this section the owner or operator may use other methods of emission control if it is demonstrated to the Administrator's satisfaction that they would reduce emissions of particulate matter to the same level or less.

§ 60.303 Test methods and procedures.

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (c) of this section.

(b) The owner or operator shall determine compliance with the particulate matter standards in §60.302 as follows:

(1) Method 5 shall be used to determine the particulate matter concentration and the volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 1.70 dscm (60 dscf). The probe and filter holder shall be operated without heaters.

(2) Method 2 shall be used to determine the ventilation volumetric flow rate.

(3) Method 9 and the procedures in §60.11 shall be used to determine opacity.

(c) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For Method 5, Method 17 may be used.

[54 FR 6674, Feb. 14, 1989]

§ 60.304 Modifications.

(a) The factor 6.5 shall be used in place of "annual asset guidelines repair allowance percentage," to determine whether a capital expenditure as defined by §60.2 has been made to an existing facility.

(b) The following physical changes or changes in the method of operation shall not by themselves be considered a modification of any existing facility:

(1) The addition of gravity loadout spouts to existing grain storage or grain transfer bins.

(2) The installation of automatic grain weighing scales.

(3) Replacement of motor and drive units driving existing grain handling equipment.

(4) The installation of permanent storage capacity with no increase in hourly grain handling capacity.

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Minor Permit Revision to a Federally Enforceable State Operating Permit (FESOP)

Source Description and Location

Source Name:	ADM Grain Company - Logansport Terminal
Source Location:	2626 South 275 West, Logansport, Indiana 46947
County:	Cass
SIC Code:	5153
Operation Permit No.:	F017-23897-00017
Operation Permit Issuance Date:	July 20, 2007
Minor Permit Revision No.:	017-29585-00017
Permit Reviewer:	Summer Keown

On August 20, 2010, the Office of Air Quality (OAQ) received an application from ADM Grain Company related to a modification to an existing stationary country grain elevator.

Existing Approvals

The source was issued FESOP No. F017-23897-00017 on July 20, 2007. The source has since received the following approvals:

- (a) First Administrative Amendment No. 017-27504-00017, issued on March 18, 2009; and
- (b) Second Administrative Amendment No. 017-28942-00017, issued on April 5, 2010.

County Attainment Status

The source is located in Cass County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM _{2.5} .	

- (a) **Ozone Standards**
 Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Cass County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
negl. = negligible These emissions are based upon FESOP No. F017-23897-00017, issued on July 20, 2007, First Administrative Amendment No. 017-27504-00017, issued on March 18, 2009, and Second Administrative Amendment No. 017-28942-00017, issued on April 5, 2010.									

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because the unlimited potential to emit HAPs are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by ADM Grain Company on August 20, 2010, relating to an increase in the maximum storage capacity for the temporary grain storage piles.

The following is a list of the modified emission units:

- (a) Three (3) temporary storage piles with conveyors, and one (1) temporary storage pile filled by a portable auger with a total maximum storage capacity of ~~6,700,000~~ **11,000,000** bushels per year;

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A, pages 1 through 3, of this TSD for detailed emission calculations.

Permit Level Determination – FESOP Revision

The following table is used to determine the appropriate permit level under 326 IAC 2-8.11.1. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								
	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Temporary Storage Piles	9.33 15.31	4.06 6.67	4.06 6.67	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Proposed Revision	5.98	2.61	2.61	0.00	0.00	0.00	0.00	0.00	0.00
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".									

This FESOP is being revised through a FESOP Minor Permit revision pursuant to 326 IAC 2-8-11.1(d)(4)(A) because the revision involves a modification with a potential to emit less than twenty-five (25) tons per year and equal to or greater than five (5) tons per year of particulate matter (PM).

PTE of the Entire Source After Issuance of the FESOP Revision

The table below summarizes the potential to emit of the entire source, with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)								
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Grain Receiving	31.80	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00
Headhouse and Internal Handling		0.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
Rail or Truck Shipping		1.18	1.18	0.00	0.00	0.00	0.00	0.00	0.00
Grain Cleaning		0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Grain Storage Bins	14.50	3.65	3.65	0.00	0.00	0.00	0.00	0.00	0.00
Temporary Storage Piles	9.33 15.31	4.06 6.67	4.06 6.67	0.00	0.00	0.00	0.00	0.00	0.00
Grain Drying	66.00	16.50	16.50	0.00	0.00	0.00	0.00	0.00	0.00
Combustion	0.35	1.39	1.39	0.11	18.31	1.01	15.38	negl.	negl.
Fugitive Emissions from Unpaved Roadways	35.30	9.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Entire Source	201.13 207.11	47.33 49.94	47.33 49.94	0.11	18.31	1.01	15.38	negl.	negl.
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	NA	NA
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".									

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this FESOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted)

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)								
	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	Total HAPs	Worst Single HAP
Grain Receiving	31.80	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00
Headhouse and Internal Handling		0.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
Rail or Truck Shipping		1.18	1.18	0.00	0.00	0.00	0.00	0.00	0.00
Grain Cleaning		0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Grain Storage Bins	14.50	3.65	3.65	0.00	0.00	0.00	0.00	0.00	0.00
Temporary Storage Piles	15.31	6.67	6.67	0.00	0.00	0.00	0.00	0.00	0.00
Grain Drying	66.00	16.50	16.50	0.00	0.00	0.00	0.00	0.00	0.00
Combustion	0.35	1.39	1.39	0.11	18.31	1.01	15.38	negl.	negl.
Fugitive Emissions from Unpaved Roadways	35.30	9.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Entire Source	207.11	49.94	49.94	0.11	18.31	1.01	15.38	negl.	negl.
Title V Major Source Thresholds	NA	100	100	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	NA	NA
negl. = negligible									

- (a) **FESOP Status**
 This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP).
- (b) **PSD Minor Source**
 This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (c) **Emission Offset Minor Source**
 This modification to an existing Emission Offset minor stationary source will not change the Emission Offset minor status, because the potential to emit of all nonattainment regulated pollutants from the entire source will continue to be less than the Emission Offset major source threshold levels. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (b) The truck and railcar unloading and loading stations and all grain handling operations, which includes headhouse and internal handling and grain cleaning, are subject to the New Source Performance Standards for Grain Elevators (40 CFR 60, Subpart DD)(326 IAC 12), because this grain elevator was constructed after August 3, 1978 and it has a total grain storage capacity greater than 2.5 million bushels.

Applicable portions of the NSPS are the following:

- (1) 40 CFR 60.300
- (2) 40 CFR 60.301
- (3) 40 CFR 60.302(b) and (c)
- (4) 40 CFR 60.303

The requirements of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the truck and railcar unloading and loading stations and all grain handling operations except as otherwise specified in 40 CFR 60, Subpart DD.

- (b) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision.

Compliance Assurance Monitoring (CAM)

- (d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability Determination

The following state rules are applicable to the proposed revision:

- (a) 326 IAC 2-8-4 (FESOP)
This revision to an existing Title V minor stationary source will not change the minor status, because the potential to emit criteria pollutants from the entire source will still be limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-8 (FESOP). See PTE of the Entire Source After Issuance of the FESOP Revision Section above.
- (b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This modification to an existing PSD minor stationary source will not change the PSD minor status, because the potential to emit of all attainment regulated pollutants from the entire source will continue to be less than the PSD major source threshold levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the FESOP Revision Section above.

- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The proposed revision is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the modified units is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.
- (e) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
 - (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

Proposed Changes

- (a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

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:

...

- (h) Three (3) temporary storage piles with conveyors, and one (1) temporary storage pile filled by a portable auger with a total maximum storage capacity of ~~6,700,000~~ **11,000,000** bushels per year;

...

SECTION D.1 FACILITY OPERATION CONDITIONS

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

...

- (h) Three (3) temporary storage piles with conveyors, and one (1) temporary storage pile filled by a portable auger with a total maximum storage capacity of ~~6,700,000~~ **11,000,000** bushels per year;

...

(b) Upon further review, IDEM, OAQ has decided to make the following changes to the permit. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

(1) Descriptive information has been changed for the rail pit and reclaim system, grain storage bins, and enclosed conveyors.

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) One (1) rail pit and ~~screw auger~~ **drag chain** reclaim system, rated at 5,000 bushels per hour;
- ...
- (dd) Two (2) grain storage bins, identified as ~~Bin 10 and Bin 11-East 1 and East 2~~, approved for construction in 2010, each with a maximum storage capacity of 1,004,000 bushels;
- (ee) Three (3) enclosed fill conveyors, serving the grain storage bins (~~Bin 10 and Bin 11 South 1 and South 2~~), constructed in 2009, two (2) each with a maximum capacity of 30,000 bushels per hour and one (1) with a maximum capacity of 25,000 bushels per hour;
- (ff) Two (2) enclosed reclaim conveyor, serving the grain storage bins (~~Bin 10 and Bin 11 South 1 and South 2~~), approved for construction in 2009, with a maximum capacity of 25,000 bushels per hour.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) One (1) rail pit and ~~screw auger~~ **drag chain** reclaim system, rated at 5,000 bushels per hour;
- ...
- (dd) Two (2) grain storage bins, identified as ~~Bin 10 and Bin 11-East 1 and East 2~~, approved for construction in 2010, each with a maximum storage capacity of 1,004,000 bushels;
- (ee) Three (3) enclosed fill conveyors, serving the grain storage bins (~~Bin 10 and Bin 11-South 1 and South 2~~), constructed in 2009, two (2) each with a maximum capacity of 30,000 bushels per hour and one (1) with a maximum capacity of 25,000 bushels per hour;
- (ff) Two (2) enclosed reclaim conveyor, serving the grain storage bins (~~Bin 10 and Bin 11-South 1 and South 2~~), approved for construction in 2009, with a maximum capacity of 25,000 bushels per hour.
- ...

D.1.3 Particulate Limitations [326 IAC 6-3-2]

...

Emission Unit	Process Weight Rate (tons per hour)	Allowable Particulate Emissions (lb/hr)
Grain Receiving		
Rail pit and drag chain screw auger reclaim system	145	55.09
...		

- (2) IDEM, OAQ has decided to remove the mailing address from all permits.

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

The Permittee owns and operates a stationary country grain elevator.

Source Address: 2626 South 275 West, Logansport, Indiana 46947
Mailing Address: ~~4666 Faries Parkway, Decatur, Illinois 62525~~
General Source Phone: (217) 424-4631
SIC Code: 5153
Source Location Status: Cass
Source Status: Attainment for all criteria pollutants
Federally Enforceable State Operating Permit (FESOP)
Minor Source under PSD
Minor Source, Section 112 of the Clean Air Act

- (3) The requirements of the New Source Performance Standard (NSPS) for Grain Elevators (40 CFR 60, Subpart DD), previously located in Conditions D.1.12 and D.1.13 have been moved to section E.1, with the full text of the NSPS being located in Attachment A of the permit.

~~New Source Performance Standards (NSPS) [326 IAC 12]~~

~~D.1.12 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR 60, Subpart A]~~

~~(a) The provisions of 40 CFR 60, Subpart A — General Provisions, which are incorporated as 326 IAC 12-1, apply to the Pit #1 through #4 and Receiving Conveyor, Internal Handling, Shipping and Receiving Legs, Reclaim, Transfer, and Shipping Conveyors, and Steel Bin Handling except when otherwise specified in 40 CFR 60, Subpart DD.~~

~~(b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:~~

~~Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue,
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2254~~

~~D.1.13 New Source Performance Standards for Grain Elevators Requirements [40 CFR Part 60, Subpart DD] [326 IAC 12]~~

~~Pursuant to 40 CFR Part 60, Subpart DD, the Permittee shall comply with the provisions of New Source Performance Standards for Grain Elevators, which are incorporated by reference as 326 IAC 12, for the truck and railcar unloading and loading stations and all grain handling operations, which includes headhouse and internal handling and grain cleaning as follows:~~

~~§ 60.300 Applicability and designation of affected facility.~~

~~(a) The provisions of this subpart apply to each affected facility at any grain terminal elevator or any grain storage elevator, except as provided under §60.304(b). The affected facilities are each truck unloading station, truck loading station, barge and ship unloading station, barge and ship loading station, railcar loading station, railcar unloading station, grain dryer, and all grain handling operations.~~

~~(b) Any facility under paragraph (a) of this section which commences construction, modification, or reconstruction after August 3, 1978, is subject to the requirements of this part.~~

~~§ 60.301 Definitions.~~

~~As used in this subpart, all terms not defined herein shall have the meaning given them in the Act and in~~

subpart A of this part.

~~(a) Grain means corn, wheat, sorghum, rice, rye, oats, barley, and soybeans.~~

~~(b) Grain elevator means any plant or installation at which grain is unloaded, handled, cleaned, dried, stored, or loaded.~~

~~(c) Grain terminal elevator means any grain elevator which has a permanent storage capacity of more than 88,100 m³ (ca. 2.5 million U.S. bushels), except those located at animal food manufacturers, pet food manufacturers, cereal manufacturers, breweries, and livestock feedlots.~~

~~(d) Permanent storage capacity means grain storage capacity which is inside a building, bin, or silo.~~

~~(e) Railcar means railroad hopper car or boxcar.~~

~~(f) Grain storage elevator means any grain elevator located at any wheat flour mill, wet corn mill, dry corn mill (human consumption), rice mill, or soybean oil extraction plant which has a permanent grain storage capacity of 35,200 m³ (ca. 1 million bushels).~~

~~(g) Process emission means the particulate matter which is collected by a capture system.~~

~~(h) Fugitive emission means the particulate matter which is not collected by a capture system and is released directly into the atmosphere from an affected facility at a grain elevator.~~

~~(i) Capture system means the equipment such as sheds, hoods, ducts, fans, dampers, etc. used to collect particulate matter generated by an affected facility at a grain elevator.~~

~~(j) Grain unloading station means that portion of a grain elevator where the grain is transferred from a truck, railcar, barge, or ship to a receiving hopper.~~

~~(k) Grain loading station means that portion of a grain elevator where the grain is transferred from the elevator to a truck, railcar, barge, or ship.~~

~~(l) Grain handling operations include bucket elevators or legs (excluding legs used to unload barges or ships), scale hoppers and surge bins (garners), turn heads, scalpers, cleaners, trippers, and the headhouse and other such structures.~~

~~(m) Column dryer means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in one or more continuous packed columns between two perforated metal sheets.~~

~~(n) Rack dryer means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in a cascading flow around rows of baffles (racks).~~

~~(o) Unloading leg means a device which includes a bucket type elevator which is used to remove grain from a barge or ship.~~

§ 60.302 Standard for particulate matter.

~~(b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility except a grain dryer any process emission which:~~

~~(1) Contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf).~~

~~(2) Exhibits greater than 0 percent opacity.~~

~~(c) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any fugitive emission from:~~

~~(1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.~~

~~(2) Any grain handling operation which exhibits greater than 0 percent opacity.~~

~~(3) Any truck loading station which exhibits greater than 10 percent opacity.~~

~~§ 60.303 Test methods and procedures.~~

~~(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (c) of this section.~~

~~(b) The owner or operator shall determine compliance with the particulate matter standards in §60.302 as follows:~~

~~(1) Method 5 shall be used to determine the particulate matter concentration and the volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 1.70 dscm (60 dscf). The probe and filter holder shall be operated without heaters.~~

~~(2) Method 2 shall be used to determine the ventilation volumetric flow rate.~~

~~(3) Method 9 and the procedures in §60.11 shall be used to determine opacity.~~

~~(c) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:~~

~~(1) For Method 5, Method 17 may be used.~~

~~D.1.14 One Time Deadlines Relating to New Source Performance Standards for Grain Elevators [40 CFR 60, Subpart DD]~~

~~The Permittee shall comply with the following requirements by the dates listed:~~

Requirement	Rule Cite	Affected Facility	Deadline
Initial Performance Test	40 CFR 60.303 and 40 CFR 60.8	Pit #1 through #4 and Receiving Conveyor, Internal Handling, Shipping and Receiving Legs, Reclaim, Transfer, and Shipping Conveyors, and Steel Bin Handling	Initial Performance test was conducted on September 24, 2004.
Notification of Date of Reconstruction	40 CFR 60.7(a)(1)	Pit #1 through #4 and Receiving Conveyor, Internal Handling, Shipping and Receiving Legs, Reclaim, Transfer, and Shipping Conveyors, and Steel Bin Handling	No later than 30 days after reconstruction
Notification of Date of Actual Startup	41 CFR 60.7(a)(3)	Pit #1 through #4 and Receiving Conveyor, Internal Handling, Shipping and Receiving Legs, Reclaim, Transfer, and Shipping Conveyors, and Steel Bin Handling	Within 15 days of startup date
Notification of any Physical or Operational Change to an existing facility not exempt under 40 CFR 60.14(e)	41 CFR 60.7(a)(4)	Pit #1 through #4 and Receiving Conveyor, Internal Handling, Shipping and Receiving Legs, Reclaim, Transfer, and Shipping Conveyors, and Steel Bin Handling	Within 60 days as soon as practicable before change is commenced.

SECTION E.1

FACILITY OPERATION CONDITIONS

<p>Facility Description [326 IAC 2-8-4(10)]:</p> <ul style="list-style-type: none"> (a) One (1) rail pit and drag chain reclaim system, rated at 5,000 bushels per hour; (b) One (1) truck loadout (located over Pit No. 3), with a maximum capacity of 7,000 bushels per hour; (c) Two (2) side draw truck loadout spouts; (d) One (1) rail loadout with telescoping spout, enclosed by shed; (f) Six (6) steel bins, with a maximum total storage capacity of 2,747,768 bushels; (h) Three (3) temporary storage piles with conveyors, and one (1) temporary storage pile filled by a portable auger with a total maximum storage capacity of 11,000,000 bushels per year; (i) Two (2) natural gas-fired column grain dryers, identified as Dryer #1 and Dryer #2, each rated at 20.9 million British thermal units (MMBtu) per hour, with a maximum capacity of processing 7,000 and 4,000 bushels of grain per hour, respectively; (k) Four (4) receiving pits, identified as Pits #1 through #4, Pits #1 and #2 are enclosed by sheds with particulate emissions controlled by one (1) baghouse, identified as F1, exhausting

- through one (1) stack (F1), and Pits #3 and #4 with particulate emissions controlled by one (1) baghouse, identified as F2, exhausting through one (1) stack (F2);
- (bb) One (1) baghouse, identified as F5, which receives collected dust from baghouses F2 and F3, exhausting through one (1) stack (F5); and
- (ee) Three (3) enclosed fill conveyors, serving the grain storage bins (Bin 10 and Bin 11), approved for construction in 2009, Two (2) each with a maximum capacity of 30,000 bushels per hour and one (1) with a maximum capacity of 25,000 bushels per hour;
- (ff) Two (2) enclosed reclaim conveyor, serving the grain storage bins (Bin 10 and Bin 11), approved for construction in 2009, with a maximum capacity of 25,000 bushels per hour;

Under 40 CFR 60, Subpart DD, emission units (a) through (d), (f), (h), (i), (k) through (bb), (ee) (ff) listed above are considered affected facilities. [40 CFR 60, Subpart DD]

The source has a maximum throughput of 40,000,000 bushels per year, therefore, the maximum throughput to grain receiving, grain shipping, grain drying, and grain cleaning is 40,000,000 bushels of grain per year. The headhouse and internal handling operations have a maximum throughput of 2 times the maximum grain throughput because the grain is typically handled more than once.

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

E.1.1 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR 60, Subpart A]

The provisions of 40 CFR 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the truck and railcar unloading and loading stations and all grain handling operations, which includes headhouse and internal handling and grain cleaning, except when otherwise specified in 40 CFR 60, Subpart DD.

E.1.2 New Source Performance Standards (NSPS) for Grain Elevators [40 CFR 60, Subpart DD] [326 IAC 12-1]

The Permittee, which operates a grain storage elevator which commenced construction after August 3, 1978, shall comply with the following provisions of 40 CFR Part 60, Subpart DD (included as Attachment B of this permit), which are incorporated by reference as 326 IAC 12:

- (1) 40 CFR 60.300
- (2) 40 CFR 60.301
- (3) 40 CFR 60.302(b) and (c)
- (4) 40 CFR 60.303

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on August 20, 2010.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed FESOP Minor Revision No. 017-29585-00017. The staff recommends to the Commissioner that this FESOP Minor Revision be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Summer Keown at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5175 or toll free at 1-800-451-6027 extension 4-5175.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem

Appendix A: Emissions Calculations

Emission Summary

Company Name: ADM Grain Company - Logansport Terminal
 Address City IN Zip: 2626 South 275 West, Logansport, Indiana 46947
 Permit Revision No.: 017-29585-00017
 Reviewer: Summer Keown
 Date: September 1, 2010

Pollutant	Uncontrolled Potential Emissions in Tons Per Year								
	PM (tons/yr)	PM-10 (tons/yr)	PM2.5 (tons/yr)	SO2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	Single HAP	Total HAPs
Process/Emission Unit									
Grain Receiving	62.35	19.37	19.37	0.00	0.00	0.00	0.00	0.00	0.00
Headhouse and Internal Handling	70.76	39.44	39.44	0.00	0.00	0.00	0.00	0.00	0.00
Rail or Truck Shipping	49.88	16.82	16.82	0.00	0.00	0.00	0.00	0.00	0.00
Grain Cleaning	43.50	10.88	10.88	0.00	0.00	0.00	0.00	0.00	0.00
Grain Storage Bins	14.50	3.65	3.65	0.00	0.00	0.00	0.00	0.00	0.00
Temporary Storage Piles	9.33	4.06	4.06	0.00	0.00	0.00	0.00	0.00	0.00
	15.31	6.67	6.67						
Storage Bins	43.85	11.05	11.05	0.00	0.00	0.00	0.00	0.00	0.00
Grain Drying	127.60	31.90	31.90	0.00	0.00	0.00	0.00	0.00	0.00
Combustion	0.35	1.39	1.39	0.11	18.31	1.01	15.38	negl.	negl.
Unpaved Roadways	35.30	9.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	457.42	147.56	147.56	0.11	18.31	1.01	15.38	negl.	negl.
463.40	150.16	150.16							
Change in Potential Emissions	5.98	2.61	2.61	--	--	--	--	--	--

Pollutant	Limited Potential Emissions in Tons Per Year								
	PM (tons/yr)	PM-10 (tons/yr)	PM2.5 (tons/yr)	SO2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	Single HAP	Total HAPs
Process/Emission Unit									
Grain Receiving	31.80	0.14	0.14	0.00	0.00	0.00	0.00	0.00	0.00
Headhouse and Internal Handling		0.28	0.28	0.00	0.00	0.00	0.00	0.00	0.00
Rail or Truck Shipping		1.18	1.18	0.00	0.00	0.00	0.00	0.00	0.00
Grain Cleaning		0.08	0.08	0.00	0.00	0.00	0.00	0.00	0.00
Grain Storage Bins	14.50	3.65	3.65	0.00	0.00	0.00	0.00	0.00	0.00
Temporary Storage Piles	9.33	4.06	4.06	0.00	0.00	0.00	0.00	0.00	0.00
	15.31	6.67	6.67						
Storage Bins	43.85	11.05	11.05	0.00	0.00	0.00	0.00	0.00	0.00
Grain Drying	66.00	16.50	16.50	0.00	0.00	0.00	0.00	0.00	0.00
Combustion	0.35	1.39	1.39	0.11	18.31	1.01	15.38	negl.	negl.
Unpaved Roadways	35.30	9.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	204.13	47.33	47.33	0.11	18.31	1.01	15.38	negl.	0.00
207.11	49.94	49.94							
Change in Potential Emissions	5.98	2.61	2.61	--	--	--	--	--	--

Potential emissions calculations were derived from FESOP No. F017-23897-00017, issued on July 20, 2007.

**Appendix A: Emissions Calculations
Grain Storage Bins**

Company Name: ADM Grain Company - Logansport Terminal
Address City IN Zip: 2626 South 275 West, Logansport, Indiana 46947
Permit Revision No.: 017-29585-00017
Reviewer: Summer Keown
Date: September 1, 2010

Process	Pollutant	Emission Factor (lb/ton)	Throughput (tons/yr)	Potential Emissions (tons/yr)
Grain storage bins added in First Administrative Amendment No. 017-275004-00017	PM	0.025	2,008,000	25.10
	PM-10	0.0063	2,008,000	6.33
Grain storage bins added in Second Administrative Amendment No. 017-28942-00017	PM	0.025	1,500,000	18.75
	PM-10	0.0063	1,500,000	4.73

Total PM = 43.85
Total PM10 = 11.05

Methodology

Potential emissions (tons/yr) = Emission factor (lb/ton) * Throughput (tons/yr) * 1 ton/2000 lbs
Emission Factors are from US EPA's AP-42, Section 9.9.1, Table 9.9.1-1, April 2003.

**Appendix A: Emissions Calculations
Temporary Grain Storage Piles**

Company Name: ADM Grain Company - Logansport Terminal
Address City IN Zip: 2626 South 275 West, Logansport, Indiana 46947
Permit Revision No.: 017-29585-00017
Reviewer: Summer Keown
Date: September 1, 2010

Temporary Grain Storage Piles - Potential Emissions before the Minor Permit Revision - Previous Maximum Throughput of 6,700,000 bushels				
Process	Pollutant	Emission Factor (lb/ton)	Throughput (tons/yr)	Potential Emissions (tons/yr)
Pile Conveying	PM	0.061	194,300	5.93
	PM-10	0.034	194,300	3.30
Pile Loading	PM	0.035	194,300	3.40
	PM-10	0.0078	194,300	0.76
			Total PM	9.33
			Total PM10	4.06

Temporary Grain Storage Piles - New Maximum Throughput of 11,000,000 bushels				
Process	Pollutant	Emission Factor (lb/ton)	Throughput (tons/yr)	Potential Emissions (tons/yr)
Pile Conveying	PM	0.061	319,000	9.73
	PM-10	0.034	319,000	5.42
Pile Loading	PM	0.035	319,000	5.58
	PM-10	0.0078	319,000	1.24
			Total PM	15.31
			Total PM10	6.67

Potential Increase in PM = 5.99
 Potential Increase in PM10 = 2.61

Methodology

Potential emissions (tons/yr) = Emission factor (lb/ton) * Throughput (tons/yr) * 1 ton/2000 lbs
 Emission Factors are from US EPA's AP-42, Section 9.9.1, Table 9.9.1-1, April 2003.



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Aysley Folkard
ADM Grain Company
4666 Faries Pkway
Decatur, IL 62525

DATE: September 17, 2010

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Minor Permit Revision
017-29585-00017

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Jeffrey J Becker – VP, US Grain Ops & Engineering
Kristin Reynolds
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	GHOTOPP 9/17/2010 ADM Grain Company-Logansport Terminal 017-29585-00017 Final		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Aysley Folkard ADM Grain Company-Logansport Terminal 4666 Faries Pkwy Decatur IL 62525 (Source CAATS) via confirmed delivery										
2		Jeffrey J Becker VP - US Grain Ops & Engineering ADM Grain Company-Logansport Terminal 4666 Faries Pkwy Decatur IL 62525 (RO CAATS)										
3		Mr. Charles L. Berger Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 (Affected Party)										
4		Mr. Harry D. DuVall P.O. Box 147 Idaville IN 47950 (Affected Party)										
5		Cass County Board of Commissioner 200 Court Park Logansport IN 46947 (Local Official)										
6		Cass County Health Department 1201 Michigan Ave Stre 230 Logansport IN 46947-1530 (Health Department)										
7		Logansport City Council and Mayors Office 601 Broadway Logansport IN 46947 (Local Official)										
8		Mr. Robert Kelley 2555 S 30th Street Lafayette IN 44909 (Affected Party)										
9		Mr. Tim Thomas c/o Boilermakers Local 374 6333 Kennedy Ave. Hammond IN 46333 (Affected Party)										
10		Ms. Kristin Reynolds ADM Grain Company 4666 Faries Pkwy Decatur IL 62526 (Source ? addl contact)										
11		Kurt Brandstatter Central Paving, Inc. P.O. Box 357 Logansport IN 46947 (Affected Party)										
12												
13												
14												
15												

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
10			