



# 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](http://www.idem.IN.gov)

## NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding the Renewal of a  
Minor Source Operating Permit (MSOP)

for ADM Grain Co. in Jasper County

**Permit Renewal No. 073-31260-00021**

The Indiana Department of Environmental Management (IDEM) has received an application from ADM Grain Company located at 9179 W. State Road 14, Rensselaer, IN 47978 for a renewal of its MSOP issued on October 24, 2007. If approved by IDEM's Office of Air Quality (OAQ), this proposed renewal would allow ADM Grain Company to continue to operate its existing stationary grain elevator.

This draft MSOP Renewal does not contain any new equipment that would emit air pollutants, and no conditions from previously issued permits/approvals have been changed.

IDEM has determined that three (3) of the truck receiving pits (North Pit, Middle Pit, and South Pit) are required to control particulate matter emissions in order to comply with the 326 IAC 6-3-2 Allowable Emission Rate. ADM Grain Company has indicated that baffles will be installed to control particulate emissions for three (3) of the truck receiving pits (North Pit, Middle Pit, and South Pit). IDEM is reviewing this matter and will take appropriate action.

A copy of the permit application and IDEM's preliminary findings are available at:

Jasper County Public Library  
208 W. Susan Street  
Rensselaer, IN 47978

A copy of the preliminary findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

### **How can you participate in this process?**

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30<sup>th</sup> day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number M073-31260-00021 in all correspondence.

**Comments should be sent to:**

Deena Patton  
IDEM, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
(800) 451-6027, ask for extension (4-5400)  
Or dial directly: (317) 234-5400  
Fax: (317)-232-6749 attn: Deena Patton  
E-mail: DPatton2@idem.in.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor or noise. For such issues, please contact your local officials.

For additional information about air permits and how you can participate, please see IDEM's **Guide for Citizen Participation and Permit Guide** on the Internet at: [www.idem.in.gov](http://www.idem.in.gov).

**What will happen after IDEM makes a decision?**

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, and the IDEM public file room on the 12<sup>th</sup> floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions please contact Deena Patton of my staff at the above address.



Nathan Bell, Section Chief  
Permits Branch  
Office of Air Quality

(DP)



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Indianapolis, Indiana 46204  
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Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

DRAFT

**Minor Source Operating Permit Renewal  
OFFICE OF AIR QUALITY**

**ADM Grain Co  
9179 W State Road 14  
Rensselaer, Indiana 47978**

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

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 MSOP under 326 IAC 2-6.1.

|  |  |
|--|--|
| Operation Permit No.: M073-31260-00021   |  |
| Issued by:<br><br>Nathan C. Bell, Section Chief<br>Permits Branch<br>Office of Air Quality | Issuance Date:<br><br>Expiration Date: |

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## 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 and 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 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

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The Permittee owns and operates a stationary grain elevator with a permanent storage capacity greater than 2.5 million U.S. bushels.

|                              |   |
|------------------------------|---|
| Source Address:              | 9179 W State Road 14, Rensselaer, Indiana 47978   |
| General Source Phone Number: | (217) 424-5200                                    |
| SIC Code:                    | 5153 (Grain and Field Beans)                      |
| County Location:             | Jasper  |
| Source Location Status:      | Attainment for all criteria pollutants            |
| Source Status:               | Minor Source Operating Permit Program             |
|                              | Minor Source, under PSD and Emission Offset Rules |
|                              | Minor Source, Section 112 of the Clean Air Act    |
|                              | Not 1 of 28 Source Categories                     |

### A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) Five (5) truck receiving facilities, identified as EP-1, with a combined maximum capacity of 58,500 bushels/hr:
- Note: 1 bushel = 60 pounds
- (i) Truck Receiving - House Pit, with a maximum capacity of 10,000 bushels/hr, installed in 1974.
  - (ii) Truck Receiving - Penalty Box Pit, with a maximum capacity of 3,500 bushels/hr, installed in 1974.
  - (iii) Truck Receiving - North Pit, with a maximum of 15,000 bushels/hr, installed in 1993, approved in 2012 for installation of baffles for particulate control.
  - (iv) Truck Receiving - Middle Pit, with a maximum of 15,000 bushels/hr, installed in 1993, approved in 2012 for installation of baffles for particulate control.
  - (v) Truck Receiving - South Pit, with a maximum of 15,000 bushels/hr, installed in 1993, approved in 2012 for installation of baffles for particulate control.
- (b) One (1) internal handling operation, identified as EP-2, with a maximum capacity of 1,800 bushels/hr, constructed between 1962 and 2006 consisting of legs, drags, loadouts, belts, distributors and augers.
- (c) Two (2) grain cleaners, identified as EP-3, with a combined maximum capacity of 22,000 bushels/hr :
- (i) House Cleaner, with a maximum capacity of 10,000 bushels/hr and installed in

- 1993.
- (ii) GSI Cleaner, with a maximum capacity of 12,000 bushels/hr and installed in 1996.
  - (d) Two (2) propane grain dryers, both identified as EP-4, with a combined maximum heat capacity of 77,861,000 Btu per hour and a combined maximum capacity of 6,800 bushels/hr:
    - (i) Zimmerman VT5046 Dryer, with a maximum heat capacity of 60,192,000 Btu per hour and a maximum capacity of 5,000 bushels/hr, installed in 1993.
    - (ii) Zimmerman VT1816 Dryer, with a maximum heat capacity of 17,669,000 Btu per hour and a maximum capacity of 1,500 bushels/hr, installed in 1988.
  - (e) Twelve (12) truck/rail shipping units, identified as EP-5, with a combined maximum capacity of 160,000 bushels/hr :
    - (i) Truck Loadout Bin 5, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
    - (ii) Truck Loadout Bin 6, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
    - (iii) Truck Loadout Bin 19, with a maximum capacity of 10,000 bushels/hr and installed in 1979.
    - (iv) Truck Loadout Bin 20, with a maximum capacity of 10,000 bushels/hr and installed in 1979.
    - (v) Rail Loadout, with a maximum capacity of 40,000 bushels/hr and installed in 1993.
    - (vi) Side Draw Loadout Bin 13, with a maximum capacity of 10,000 bushels/hr and installed in 1974.
    - (vii) Two (2) Side Draw Loadout Bin 15, with a maximum capacity of 20,000 bushels/hr and installed in 1978.
    - (viii) Two (2) Side Draw Loadout Bin 17, with a maximum capacity of 20,000 bushels/hr and installed in 1980.
    - (ix) Side Draw Loadout Bin 21, with a maximum capacity of 10,000 bushels/hr and installed in 1993.
    - (x) Side Draw Loadout Bin 25, with a maximum capacity of 10,000 bushels/hr and installed in 1999.
  - (f) Paved and unpaved roads, identified as EP-6.
  - (g) Two (2) temporary ground piles, identified as EP-7, with a combined maximum capacity of 1,400,000 bushels.
  - (h) One (1) temporary ground pile with a maximum capacity of 1,000,000 bushels per year, approved for operation in 2010.

- (i) Twenty-five (25) storage bin vents, identified as EP-8, with a combined maximum capacity 4,285,685 bushels.
- (i) Seven (7) concrete silos with a combined maximum capacity of 314,970 bushels.
- (ii) Seventeen (17) steel bins with a combined maximum capacity of 3,871,662 bushels.
- (iii) One (1) flat building with a maximum capacity of 99,053 bushels.

Note: In 1999, the permanent storage capacity for this grain elevator increased to greater than the 2.5 million U.S. bushels applicability threshold for the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD).

Under the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD) each truck unloading station, truck loading station, railcar loading station, railcar unloading station, and grain dryer, and all grain handling operations that were constructed, modified, or reconstructed in 1999 or later are considered affected facilities.

## SECTION B GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-1.1-1]

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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 2-1.1-1) shall prevail.

### B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

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- (a) This permit, M073-31260-00021, is issued for a fixed term of ten (10) 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.3 Term of Conditions [326 IAC 2-1.1-9.5]

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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.4 Enforceability

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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.5 Severability

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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.6 Property Rights or Exclusive Privilege

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

### B.7 Duty to Provide Information

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- (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.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]**

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- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 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
- (c) The notification 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.

**B.9 Preventive Maintenance Plan [326 IAC 1-6-3]**

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- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
  - (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.
- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, 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.

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 Permittee shall implement the PMPs.

- (c) 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.
- (d) 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.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to M073-31260-00021 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.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]**

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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 one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

**B.12 Permit Renewal [326 IAC 2-6.1-7]**

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- (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 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete 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 one hundred twenty (120) days 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 2-6.1 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 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

**B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]**

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- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 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
- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

**B.14 Source Modification Requirement**

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

**B.15 Inspection and Entry**  
[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

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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 permitted 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.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]**

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- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 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  
  
The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

**B.17 Annual Fee Payment [326 IAC 2-1.1-7]**

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- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.
- (b) 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.18 Credible Evidence [326 IAC 1-1-6]**

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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 2-6.1-5(a)(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 Permit Revocation [326 IAC 2-1.1-9]**

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

**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]

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

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- (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.

- (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. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

**Testing Requirements [326 IAC 2-6.1-5(a)(2)]**

**C.8 Performance Testing [326 IAC 3-6]**

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- (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.
- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.
- (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.9 Compliance Requirements [326 IAC 2-1.1-11]**

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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 2-6.1-5(a)(2)]**

### **C.10 Compliance Monitoring [326 IAC 2-1.1-11]**

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Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

### **C.11 Instrument Specifications [326 IAC 2-1.1-11]**

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- (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**

### **C.12 Response to Excursions or Exceedances**

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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.13 Actions Related to Noncompliance Demonstrated by a Stack Test**

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- (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.

**Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]**

**C.14 Malfunctions Report [326 IAC 1-6-2]**

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Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

**C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]**

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- (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.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

- (a) Reports required by conditions in Section D of 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

- (b) 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.
- (c) 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.

**SECTION D.1**

**EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

- (a) Five (5) truck receiving facilities, identified as EP-1, with a combined maximum capacity of 58,500 bushels/hr:

Note: 1 bushel = 60 pounds

- (i) Truck Receiving - House Pit, with a maximum capacity of 10,000 bushels/hr, installed in 1974.
  - (ii) Truck Receiving - Penalty Box Pit, with a maximum capacity of 3,500 bushels/hr, installed in 1974.
  - (iii) Truck Receiving - North Pit, with a maximum of 15,000 bushels/hr, installed in 1993, approved in 2012 for installation of baffles for particulate control.
  - (iv) Truck Receiving - Middle Pit, with a maximum of 15,000 bushels/hr, installed in 1993, approved in 2012 for installation of baffles for particulate control.
  - (v) Truck Receiving - South Pit, with a maximum of 15,000 bushels/hr, installed in 1993, approved in 2012 for installation of baffles for particulate control.
- (b) One (1) internal handling operation, identified as EP-2, with a maximum capacity of 1,800 bushels/hr, constructed between 1962 and 2006 consisting of legs, drags, loadouts, belts, distributors and augers.
- (c) Two (2) grain cleaners, identified as EP-3, with a combined maximum capacity of 22,000 bushels/hr :
- (i) House Cleaner, with a maximum capacity of 10,000 bushels/hr and installed in 1993.
  - (ii) GSI Cleaner, with a maximum capacity of 12,000 bushels/hr and installed in 1996.
- (d) Two (2) propane grain dryers, both identified as EP-4, with a combined maximum heat capacity of 77,861,000 Btu per hour and a combined maximum capacity of 6,800 bushels/hr:
- (i) Zimmerman VT5046 Dryer, with a maximum heat capacity of 60,192,000 Btu per hour and a maximum capacity of 5,000 bushels/hr, installed in 1993.
  - (ii) Zimmerman VT1816 Dryer, with a maximum heat capacity of 17,669,000 Btu per hour and a maximum capacity of 1,500 bushels/hr, installed in 1988.
- (e) Twelve (12) truck/rail shipping units, identified as EP-5, with a combined maximum capacity of 160,000 bushels/hr :
- (i) Truck Loadout Bin 5, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
  - (ii) Truck Loadout Bin 6, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
  - (iii) Truck Loadout Bin 19, with a maximum capacity of 10,000 bushels/hr and installed in 1979.

- (iv) Truck Loadout Bin 20, with a maximum capacity of 10,000 bushels/hr and installed in 1979.
  - (v) Rail Loadout, with a maximum capacity of 40,000 bushels/hr and installed in 1993.
  - (vi) Side Draw Loadout Bin 13, with a maximum capacity of 10,000 bushels/hr and installed in 1974.
  - (vii) Two (2) Side Draw Loadout Bin 15, with a maximum capacity of 20,000 bushels/hr and installed in 1978.
  - (viii) Two (2) Side Draw Loadout Bin 17, with a maximum capacity of 20,000 bushels/hr and installed in 1980.
  - (ix) Side Draw Loadout Bin 21, with a maximum capacity of 10,000 bushels/hr and installed in 1993.
  - (x) Side Draw Loadout Bin 25, with a maximum capacity of 10,000 bushels/hr and installed in 1999.
- (f) Paved and unpaved roads, identified as EP-6.
- (g) Two (2) temporary ground piles, identified as EP-7, with a combined maximum capacity of 1,400,000 bushels.
- (h) One (1) temporary ground pile with a maximum capacity of 1,000,000 bushels per year, approved for operation in 2010.
- (i) Twenty-five (25) storage bin vents, identified as EP-8, with a combined maximum capacity 4,285,685 bushels.
- (i) Seven (7) concrete silos with a combined maximum capacity of 314,970 bushels.
  - (ii) Seventeen (17) steel bins with a combined maximum capacity of 3,871,662 bushels.
  - (iii) One (1) flat building with a maximum capacity of 99,053 bushels.

Note: In 1999, the permanent storage capacity for this grain elevator increased to greater than the 2.5 million U.S. bushels applicability threshold for the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD).

Under the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD) each truck unloading station, truck loading station, railcar loading station, railcar unloading station, and grain dryer, and all grain handling operations that were constructed, modified, or reconstructed in 1999 or later are considered affected facilities.

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

**Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]**

**D.1.1 Particulate [326 IAC 6-3-2]**

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from each process shall be limited by the following:

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

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour and  
 P = process weight rate in tons per hour

| Emissions Unit  | Maximum Capacity (bushels/hour) | Process Weight Rate (tons per hour) | 326 IAC 6-3-2 Allowable PM Emission Rate (pounds per hour) |
|---|---------------------------------|-------------------------------------|--|
| Truck Receiving - House Pit                           | 10,000                          | 300                                 | 63.0   |
| Truck Receiving - Penalty Box                         | 3,500                           | 105                                 | 51.8   |
| Truck Receiving - North Pit, Middle Pit and South Pit | 15,000 (each)                   | 450 (each)                          | 67.7 (each)  |
| Internal Handling Operation                           | 1,800                           | 54                                  | 45.3   |
| House Cleaner   | 10,000                          | 300                                 | 63.0   |
| GSI Cleaner   | 12,000                          | 360                                 | 65.1   |
| Grain Dryers  | 6,800                           | 204                                 | 58.7   |
| Truck Loadout Bin 5                                   | 15,000                          | 450                                 | 67.7   |
| Truck Loadout Bin 6                                   | 15,000                          | 450                                 | 67.7   |
| Truck Loadout Bin 19                                  | 10,000                          | 300                                 | 63.0   |
| Truck Load out Bin 20                                 | 10,000                          | 300                                 | 63.0   |
| Rail Loadout  | 40,000                          | 1200                                | 80.0   |
| Side Draw Loadout Bin 13                              | 10,000                          | 300                                 | 63.0   |
| Side Draw Loadout Bin 15                              | 20,000                          | 600                                 | 71.2   |
| Side Draw Loadout Bin 17                              | 20,000                          | 600                                 | 71.2   |
| Side Draw Loadout Bin 21                              | 10,000                          | 300                                 | 63.0   |
| Side Draw Loadout Bin 25                              | 10,000                          | 300                                 | 63.0   |
| One (1) Temporary Ground Pile                         | 15,000                          | 450                                 | 67.7   |
| One (1) Temporary Ground Pile                         | 15,000                          | 450                                 | 67.7   |
| Temporary Ground Pile                                 | 15,000                          | 450                                 | 67.7   |
| Seven (7) Concrete Silos                              | 10,000 (each)                   | 300 (each)                          | 63.0 (each)  |
| Seventeen (17) Steel Bins                             | 28,500                          | 855                                 | 75.6   |
| Flat Building   | 3,500                           | 105                                 | 51.8   |

When the process weight rate exceeds two hundred (200) tons per hour, the maximum allowable emission may exceed the emission rate derived by the equation above, provided the concentration of particulate matter in the discharge gases to the atmosphere is less than 0.10 pounds per one thousand (1,000) pounds of gases.

**D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]**

A Preventive Maintenance Plan is required for this facility. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

## Compliance Determination Requirements

### D.1.3 Particulate Control

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In order to comply with Condition D.1.1, the baffles associated with each of the three (3) truck receiving pits (North Pit, Middle Pit, and South Pit) shall be in operation and control particulate emissions from the respective receiving pit at all times the receiving pits are in operation.

## Compliance Monitoring Requirements [326 IAC 2-6.1-3]

### D.1.4 Visible Emissions Notations

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- (a) Daily visible emission notations of the grain elevator stack exhaust shall be performed during normal daylight operations. 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 a reasonable response steps. Section C – Response to Excursions and Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

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

### D.1.5 Record Keeping Requirements

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- (a) To document compliance with Condition D.1.3, the Permittee shall maintain a daily record of visible emission notations of the grain elevator stack exhaust. The Permittee shall include in its 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).
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.

**SECTION E.1**

**FACILITY OPERATION CONDITIONS**

**Emissions Unit Description:**

- (b) One (1) internal handling operation, identified as EP-2, with a maximum capacity of 1,800 bushels/hr, constructed between 1962 and 2006 consisting of legs, drags, loadouts, belts, distributors and augers.
- (e) Twelve (12) truck/rail shipping units, identified as EP-5, with a combined maximum capacity of 160,000 bushels/hr :.
  - (i) Truck Loadout Bin 5, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
  - (ii) Truck Loadout Bin 6, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
  - (x) Side Draw Loadout Bin 25, with a maximum capacity of 10,000 bushels/hr and installed in 1999.

Note: In 1999, the permanent storage capacity for this grain elevator increased to greater than the 2.5 million U.S. bushels applicability threshold for the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD).

Under the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD) each truck unloading station, truck loading station, railcar loading station, railcar unloading station, and grain dryer, and all grain handling operations that were constructed, modified, or reconstructed in 1999 or later are considered affected facilities.

(The information describing the process contained in this emissions unit 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]**

- (a) The provisions of 40 CFR 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the grain handling operations, 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 46204-2251

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

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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, except as otherwise specified in 40 CFR 60, Subpart DD.

This source is subject to the following portions of Subpart DD.

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

**Compliance Determination Requirements**

E.1.3 Testing Requirements [326 IAC 2-1.1-11]

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Not later than 180 days of after issuance of MSOP No. 073-31260-00021, in order to comply with Condition E.1.2, the Permittee shall perform the performance testing required under NSPS 40 CFR 60, Subpart DD, utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. 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.

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

**MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

|                      |                           |
|----------------------|---------------------------|
| <b>Company Name:</b> | ADM Grain Co              |
| <b>Address:</b>      | 9179 W State Road 14      |
| <b>City:</b>         | Rensselaer, Indiana 47978 |
| <b>Phone #:</b>      | (217) 424-5200            |
| <b>MSOP #:</b>       | M073-31260-00021          |

I hereby certify that ADM Grain Co is:

still in operation.

no longer in operation.

I hereby certify that ADM Grain Co is:

in compliance with the requirements of MSOP M073-31260-00021.

not in compliance with the requirements of MSOP M073-31260-00021.

|                                       |
|---------------------------------------|
| <b>Authorized Individual (typed):</b> |
| <b>Title:</b>                         |
| <b>Signature:</b>                     |
| <b>Date:</b>                          |

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

|                       |
|-----------------------|
| <b>Noncompliance:</b> |
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**MALFUNCTION REPORT**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
FAX NUMBER: (317) 233-6865**

**This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6  
and to qualify for the exemption under 326 IAC 1-6-4.**

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?\_\_\_\_\_, 25 TONS/YEAR SULFUR DIOXIDE ?\_\_\_\_\_, 25 TONS/YEAR NITROGEN OXIDES?\_\_\_\_\_, 25 TONS/YEAR VOC ?\_\_\_\_\_, 25 TONS/YEAR HYDROGEN SULFIDE ?\_\_\_\_\_, 25 TONS/YEAR TOTAL REDUCED SULFUR ?\_\_\_\_\_, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?\_\_\_\_\_, 25 TONS/YEAR FLUORIDES ?\_\_\_\_\_, 100 TONS/YEAR CARBON MONOXIDE ?\_\_\_\_\_, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?\_\_\_\_\_, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?\_\_\_\_\_, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?\_\_\_\_\_, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?\_\_\_\_\_. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION \_\_\_\_\_.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC \_\_\_\_\_ OR, PERMIT CONDITION # \_\_\_\_\_ AND/OR PERMIT LIMIT OF \_\_\_\_\_

THIS INCIDENT MEETS THE DEFINITION OF "MALFUNCTION" AS LISTED ON REVERSE SIDE ?    Y        N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ?    Y        N

COMPANY: \_\_\_\_\_ PHONE NO. (    ) \_\_\_\_\_  
LOCATION: (CITY AND COUNTY) \_\_\_\_\_  
PERMIT NO. \_\_\_\_\_ AFS PLANT ID: \_\_\_\_\_ AFS POINT ID: \_\_\_\_\_ INSP: \_\_\_\_\_  
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: \_\_\_\_\_

DATE/TIME MALFUNCTION STARTED: \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: \_\_\_\_\_

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE \_\_\_\_/\_\_\_\_/20\_\_\_\_    \_\_\_\_\_ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER: \_\_\_\_\_

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: \_\_\_\_\_

MEASURES TAKEN TO MINIMIZE EMISSIONS: \_\_\_\_\_

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL\* SERVICES: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS: \_\_\_\_\_  
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT: \_\_\_\_\_  
INTERIM CONTROL MEASURES: (IF APPLICABLE) \_\_\_\_\_

MALFUNCTION REPORTED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY: \_\_\_\_\_ DATE: \_\_\_\_\_ TIME: \_\_\_\_\_

\*SEE PAGE 2

**Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.**

**326 IAC 1-6-1 Applicability of rule**

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

**326 IAC 1-2-39 "Malfunction" definition**

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

**\*Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

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**Indiana Department of Environmental Management  
Office of Air Quality**

**Attachment A**

**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 m<sup>3</sup> (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 m<sup>3</sup> (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.

[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 ft<sup>3</sup>/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 Source Operating Permit Renewal**

|  |
|--|
| <b>Source Background and Description</b> |
|--|

|                            |   |
|----------------------------|---|
| <b>Source Name:</b>        | <b>ADM Grain Company</b>                          |
| <b>Source Location:</b>    | <b>9179 W State Road 14, Rensselaer, IN 47978</b> |
| <b>County:</b>             | <b>Jasper</b>                                     |
| <b>SIC Code:</b>           | <b>5153 (Grain and Field Beans)</b>               |
| <b>Permit Renewal No.:</b> | <b>M073-31260-00021</b>                           |
| <b>Permit Reviewer:</b>    | <b>Deena Patton</b>                               |

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from ADM Grain Company relating to the operation of a stationary grain elevator that receives and ships grain by rail and/or truck. On December 14, 2011, ADM Grain Company submitted an application to the OAQ requesting to renew its operating permit. ADM Grain Company was issued an initial MSOP (M073-24251-00021) on October 24, 2007.

|   |
|---|
| <b>Permitted Emission Units and Pollution Control Equipment</b> |
|---|

The source consists of the following permitted emission units:

- (a) Five (5) truck receiving facilities, identified as EP-1, with a combined maximum capacity of 58,500 bushels/hr:  
  
Note: 1 bushel = 60 pounds
  - (i) Truck Receiving - House Pit, with a maximum capacity of 10,000 bushels/hr, installed in 1974.
  - (ii) Truck Receiving - Penalty Box Pit, with a maximum capacity of 3,500 bushels/hr, installed in 1974.
  - (iii) Truck Receiving - North Pit, with a maximum of 15,000 bushels/hr, installed in 1993, approved in 2012 for installation of baffles for particulate control.
  - (iv) Truck Receiving - Middle Pit, with a maximum of 15,000 bushels/hr, installed in 1993, approved in 2012 for installation of baffles for particulate control.
  - (v) Truck Receiving - South Pit, with a maximum of 15,000 bushels/hr, installed in 1993, approved in 2012 for installation of baffles for particulate control.
  
- (b) One (1) internal handling operation, identified as EP-2, with a maximum capacity of 1,800 bushels/hr, constructed between 1962 and 2006 consisting of legs, drags, loadouts, belts, distributors and augers.
  
- (c) Two (2) grain cleaners, identified as EP-3, with a combined maximum capacity of 22,000 bushels/hr :
  - (i) House Cleaner, with a maximum capacity of 10,000 bushels/hr and installed in 1993.
  - (ii) GSI Cleaner, with a maximum capacity of 12,000 bushels/hr and installed in 1996.

- (d) Two (2) propane grain dryers, both identified as EP-4, with a combined maximum heat capacity of 77,861,000 Btu per hour and a combined maximum capacity of 6,800 bushels/hr:
  - (i) Zimmerman VT5046 Dryer, with a maximum heat capacity of 60,192,000 Btu per hour and a maximum capacity of 5,000 bushels/hr, installed in 1993.
  - (ii) Zimmerman VT1816 Dryer, with a maximum heat capacity of 17,669,000 Btu per hour and a maximum capacity of 1,500 bushels/hr, installed in 1988.
- (e) Twelve (12) truck/rail shipping units, identified as EP-5, with a combined maximum capacity of 160,000 bushels/hr :
  - (i) Truck Loadout Bin 5, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
  - (ii) Truck Loadout Bin 6, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
  - (iii) Truck Loadout Bin 19, with a maximum capacity of 10,000 bushels/hr and installed in 1979.
  - (iv) Truck Loadout Bin 20, with a maximum capacity of 10,000 bushels/hr and installed in 1979.
  - (v) Rail Loadout, with a maximum capacity of 40,000 bushels/hr and installed in 1993.
  - (vi) Side Draw Loadout Bin 13, with a maximum capacity of 10,000 bushels/hr and installed in 1974.
  - (vii) Two (2) Side Draw Loadout Bin 15, with a maximum capacity of 20,000 bushels/hr and installed in 1978.
  - (viii) Two (2) Side Draw Loadout Bin 17, with a maximum capacity of 20,000 bushels/hr and installed in 1980.
  - (ix) Side Draw Loadout Bin 21, with a maximum capacity of 10,000 bushels/hr and installed in 1993.
  - (x) Side Draw Loadout Bin 25, with a maximum capacity of 10,000 bushels/hr and installed in 1999.
- (f) Paved and unpaved roads, identified as EP-6.
- (g) Two (2) temporary ground piles, identified as EP-7, with a combined maximum capacity of 1,400,000 bushels.
- (h) One (1) temporary ground pile with a maximum capacity of 1,000,000 bushels per year, approved for operation in 2010.
- (i) Twenty-five (25) storage bin vents, identified as EP-8, with a combined maximum capacity 4,285,685 bushels.
  - (i) Seven (7) concrete silos with a combined maximum capacity of 314,970 bushels.

- (ii) Seventeen (17) steel bins with a combined maximum capacity of 3,871,662 bushels.
- (iii) One (1) flat building with a maximum capacity of 99,053 bushels.

Note: In 1999, the permanent storage capacity for this grain elevator increased to greater than the 2.5 million U.S. bushels applicability threshold for the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD).

Under the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD) each truck unloading station, truck loading station, railcar loading station, railcar unloading station, and grain dryer, and all grain handling operations that were constructed, modified, or reconstructed in 1999 or later are considered affected facilities.

**Existing Approvals**

Since the issuance of the MSOP (073-24251-00021) on October 24, 2007, the source has constructed or has been operating under the following additional approvals:

- (a) First Notice Only Change No. (073-26431-00021) issued on May 2, 2008.
- (b) Second Notice Only Change No. (073-29586-00021) issued on September 28, 2010; and
- (c) Third Notice Only Change No. (073-30346-00021) issued on May 5, 2011;

All terms and conditions of previous permits issued pursuant to permitting programs approved into the State Implementation Plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

**Enforcement Issue**

IDEM has determined that three (3) of the truck receiving pits (North Pit, Middle Pit, and South Pit) are required to control particulate matter emissions in order to comply with the 326 IAC 6-3-2 Allowable Emission Rate. ADM Grain Company has indicated that baffles will be installed to control particulate emissions for three (3) of the truck receiving pits (North Pit, Middle Pit, and South Pit). IDEM is reviewing this matter and will take appropriate action.

**Emission Calculations**

See Appendix A of this document for detailed emission calculations.

**County Attainment Status**

The source is located in Jasper County.

| Pollutant  | Designation   |
|--|---|
| SO <sub>2</sub>  | Better than national standards.   |
| CO   | Unclassifiable or attainment effective November 15, 1990.   |
| O <sub>3</sub>   | Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. <sup>1</sup> |
| PM <sub>10</sub>   | Unclassifiable effective November 15, 1990.   |
| NO <sub>2</sub>  | Cannot be classified or better than national standards.   |
| Pb   | Not designated.   |
| <sup>1</sup> Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.<br>Unclassifiable or attainment effective April 5, 2005, for PM2.5. |   |

(a) Ozone Standards

Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) 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<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Jasper County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) Jasper County has been classified as attainment for PM<sub>2.5</sub>. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM<sub>2.5</sub> emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct PM<sub>2.5</sub> significant level at ten (10) tons per year. This rule became effective, June 28, 2011.. Therefore, direct PM<sub>2.5</sub> and SO<sub>2</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants

Jasper County has been classified as attainment or unclassifiable in Indiana for SO<sub>2</sub>, CO, PM<sub>10</sub>, and NO<sub>2</sub>. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

**Fugitive Emissions**

This type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, however, there is an applicable New Source Performance Standard that was in effect on August 7, 1980, therefore fugitive emissions, from the affected facility to which the New Source Performance Standard is applicable, are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

**Unrestricted Potential Emissions**

Appendix A of this TSD reflects the unrestricted potential emissions of the source.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all regulated pollutants, excluding GHGs, is less than 100 tons per year. However, (pollutant) is equal to or greater than twenty-five (25) tons per year. The source is not subject to the provisions of 326 IAC 2-7. Therefore, the source will be issued an MSOP Renewal.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of GHGs is less than one hundred thousand (100,000) tons of CO<sub>2</sub> equivalent emissions (CO<sub>2</sub>e) per year.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source will be issued an MSOP Renewal.

**Potential to Emit After Issuance**

The table below summarizes the potential to emit before controls. Any control equipment is considered enforceable only after issuance of this MSOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

| Process/<br>Emission Unit  | Potential To Emit of the Entire Source Before Control After Issuance of Renewal<br>(tons/year) |                    |                      |                 |                 |             |             |                           |            |                  |
|--|--|--------------------|----------------------|-----------------|-----------------|-------------|-------------|---------------------------|------------|------------------|
|  | PM   | PM <sub>10</sub> * | PM <sub>2.5</sub> ** | SO <sub>2</sub> | NO <sub>x</sub> | VOC         | CO          | GHGs                      | Total HAPs | Worst Single HAP |
| Grain Processing/Elevator  | 197.1  | 89.5               | 15.24                | 0               | 0               | 0           | 0           | 0                         | 0          | 0                |
| Propane Dryers   | 0.75   | 2.61               | 2.61                 | 0.37            | 48.5            | 3.73        | 28.0        | 47644                     | 0          | 0                |
| Temporary Storage Piles (loading and unloading)  | 9.94   | 3.63               | 0.62                 | 0               | 0               | 0           | 0           | 0                         | 0          | 0                |
| Temporary Storage Piles (wind erosion)   | 2.92   | 1.02               | 1.02                 | 0               | 0               | 0           | 0           | 0                         | 0          | 0                |
| Unpaved Roads  | 6.24   | 1.59               | 0.26                 | 0               | 0               | 0           | 0           | 0                         | 0          | 0                |
| <b>Total PTE of Entire Source</b>  | <b>216.9</b>   | <b>98.3</b>        | <b>19.6</b>          | <b>0.37</b>     | <b>48.5</b>     | <b>3.73</b> | <b>28.0</b> | <b>47644</b>              | <b>0</b>   | <b>0</b>         |
| Title V Major Source Thresholds  | NA   | 100                | 100                  | 100             | 100             | 100         | 100         | 100,000 CO <sub>2</sub> e | 25         | 10               |
| PSD Major Source Thresholds  | 250  | 250                | 250                  | 250             | 250             | 250         | 250         | 100,000 CO <sub>2</sub> e | NA         | NA               |
| *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".<br>**PM <sub>2.5</sub> listed is direct PM <sub>2.5</sub> . |  |                    |                      |                 |                 |             |             |                           |            |                  |

This existing stationary source is not major for PSD because the emissions of each regulated pollutant, excluding GHGs, are less than two hundred fifty (<250) tons per year, emissions of GHGs are less than one hundred thousand (<100,000) tons of CO<sub>2</sub> equivalent emissions (CO<sub>2</sub>e) per year, and it is not in one of the twenty-eight (28) listed source categories.

**Federal Rule Applicability**

The following federal rules are applicable to the source:

- (a) ADM Grain Company is subject to the New Source Performance Standard for Grain Elevators (40 CFR 60.300, Subpart DD), which is incorporated by reference as 326 IAC 12. This source is operating a grain elevator with a permanent storage capacity greater than 2.5 million U.S. bushels.

Note: In 1999, the permanent storage capacity for this grain elevator increased to greater than the 2.5 million U.S. bushels applicability threshold for the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD).

Under the New Source Performance Standard (NSPS) Standards of Performance for Grain Elevators (40 CFR 60, Subpart DD) each truck unloading station, truck loading station, railcar loading station, railcar unloading station, and grain dryer, and all grain handling operations that were constructed, modified, or reconstructed in 1999 or later are considered affected facilities.

The facilities subject to this rule include the following:

- (b) One (1) internal handling operation, identified as EP-2, with a maximum capacity of 1,800 bushels/hr, constructed between 1962 and 2006 consisting of legs, drags, loadouts, belts, distributors and augers.
- (e) Twelve (12) truck/rail shipping units, identified as EP-5, with a combined maximum capacity of 160,000 bushels/hr .:

- (i) Truck Loadout Bin 5, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
- (ii) Truck Loadout Bin 6, with a maximum capacity of 15,000 bushels/hr and installed in 2004.
- (x) Side Draw Loadout Bin 25, with a maximum capacity of 10,000 bushels/hr and installed in 1999.

This source is subject to the following portions of Subpart DD.

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

Note: this is an existing requirement.

The plate perforation diameter for each grain dryer (EP-4) does not exceed 2.4 mm (0.094 in). Therefore, the grain dryers are not subject to this NSPS.

All other facilities at this source are not subject to the requirements of NSPS, Subpart DD, since they were each constructed before 1999 (i.e., before the source exceeded the 2.5 million bushel applicability threshold).

- (b) The requirements of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart DDDDD (63.7480 through 63.7575) (326 IAC 20-95) are not included in this permit renewal, because this source is not a major source of HAPs.
- (c) The requirements of the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR 63, Subpart JJJJJ (63.11193 through 63.11237), are not included in this permit renewal, because the source does not contain boilers. This source only contains propane-fired grain dryers.
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Area Sources: Prepared Feeds Manufacturing, 40 CFR 63, Subpart DDDDDDD are not included in this permit renewal, since this source is not considered a prepared feeds manufacturing facility as defined by 40 CFR 63.11627. This source does not manufacture animal feed. This source only consists of a grain elevator.
- (e) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit renewal.
- (f) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

|   |
|---|
| <b>State Rule Applicability - Entire Source</b> |
|---|

326 IAC 2-2 (Prevention of Significant Deterioration)

This source is not one of the twenty-eight (28) listed source categories, and the potential to emit (PTE) of all criteria pollutants is less than two hundred fifty (250) tons per year and the potential to emit greenhouse gases (GHGs) is less than 100,000 tons of CO<sub>2</sub>e per year. Therefore, this source is a minor source and 326 IAC 2-2 (PSD) does not apply.

326 IAC 2-3 (Emission Offset)

This source is not located in a nonattainment county. Therefore, 326 IAC 2-3 does not apply.

326 IAC 2-6 (Emission Reporting)

This source is located in Jasper County, is not required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, and does not emit lead in the ambient air at levels equal to or greater than five (5) tons per year. Therefore, 326 IAC 2-6 does not apply.

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 Exemptions), opacity shall meet the following, unless otherwise stated in the 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.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

The source is subject to the requirements of 326 IAC 6-4, because this source has potential fugitive particulate emissions. 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.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

The source is not subject to the requirements of 326 IAC 6-5, because the source does not have potential fugitive particulate emissions greater than 25 tons per year. Therefore, 326 IAC 6-5 does not apply.

326 IAC 6.5 (PM Limitations Except Lake County)

This source is not subject to 326 IAC 6.5 because it is not located in Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne County.

326 IAC 6.8 (PM Limitations for Lake County)

This source is not subject to 326 IAC 6.8 because it is not located in Lake County.

326 IAC 12 (New Source Performance Standards)

See Federal Rule Applicability Section of this TSD.

326 IAC 20 (Hazardous Air Pollutants)

See Federal Rule Applicability Section of this TSD.

|   |
|---|
| <b>State Rule Applicability – Individual Facilities</b> |
|---|

326 IAC 6-2 (Particulate Emissions Limitations for Sources of Indirect Heating)

Each of the propane-fired grain dryers is not subject to the requirements of 326 IAC 6-2, because each is not an indirect heating unit.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

Pursuant to 326 IAC 6-3-1(b), the requirements of 326 IAC 6-3-2 are applicable to each of the below process at the grain elevator, since each process has potential particulate emissions greater than five hundred fifty-one thousandths (0.551) pound per hour. Each process at the grain elevator has a process weight rate in excess of sixty thousand (60,000) pounds per hour. All processing is based on the assumption of 60 pounds per bushel (AP-42 Appendix A:

Miscellaneous Data and Conversion Factors). Pursuant to 326 IAC 6-3-2, particulate emissions from each of the following operations shall not exceed the allowable emission rates listed in the following table:

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

$$E = 55.0 P^{0.11} - 40$$

where E = rate of emission in pounds per hour and  
P = process weight rate in tons per hour

| Emissions Unit  | Maximum Capacity (bushels/hour) | Process Weight Rate (tons per hour) | 326 IAC 6-3-2 Allowable PM Emission Rate (pounds per hour) |
|---|---------------------------------|-------------------------------------|--|
| Truck Receiving - House Pit                           | 10,000                          | 300                                 | 63.0   |
| Truck Receiving - Penalty Box                         | 3,500                           | 105                                 | 51.8   |
| Truck Receiving - North Pit, Middle Pit and South Pit | 15,000 (each)                   | 450 (each)                          | 67.7 (each)  |
| Internal Handling Operation                           | 1,800                           | 54                                  | 45.3   |
| House Cleaner   | 10,000                          | 300                                 | 63.0   |
| GSI Cleaner   | 12,000                          | 360                                 | 65.1   |
| Grain Dryers  | 6,800                           | 204                                 | 58.7   |
| Truck Loadout Bin 5                                   | 15,000                          | 450                                 | 67.7   |
| Truck Loadout Bin 6                                   | 15,000                          | 450                                 | 67.7   |
| Truck Loadout Bin 19                                  | 10,000                          | 300                                 | 63.0   |
| Truck Load out Bin 20                                 | 10,000                          | 300                                 | 63.0   |
| Rail Loadout  | 40,000                          | 1200                                | 80.0   |
| Side Draw Loadout Bin 13                              | 10,000                          | 300                                 | 63.0   |
| Side Draw Loadout Bin 15                              | 20,000                          | 600                                 | 71.2   |
| Side Draw Loadout Bin 17                              | 20,000                          | 600                                 | 71.2   |
| Side Draw Loadout Bin 21                              | 10,000                          | 300                                 | 63.0   |
| Side Draw Loadout Bin 25                              | 10,000                          | 300                                 | 63.0   |
| One (1) Temporary Ground Pile                         | 15,000                          | 450                                 | 67.7   |
| One (1) Temporary Ground Pile                         | 15,000                          | 450                                 | 67.7   |
| Temporary Ground Pile                                 | 15,000                          | 450                                 | 67.7   |
| Seven (7) Concrete Silos                              | 10,000 (each)                   | 300 (each)                          | 63.0 (each)  |
| Seventeen (17) Steel Bins                             | 28,500                          | 855                                 | 75.6   |
| Flat Building   | 3,500                           | 105                                 | 51.8   |

When the process weight rate exceeds two hundred (200) tons per hour, the maximum allowable emission may exceed the emission rate derived by the equation above, provided the concentration of particulate matter in the discharge gases to the atmosphere is less than 0.10 pounds per one thousand (1,000) pounds of gases.

IDEM has determined that three (3) of the truck receiving pits (North Pit, Middle Pit, and South Pit) are required to control particulate matter emissions in order to comply with the 326 IAC 6-3-2 Allowable Emission Rate. ADM Grain Company has indicated that baffles will be installed to control particulate emissions for three (3) of the truck receiving pits (North Pit, Middle Pit, and South Pit). In order to comply with the 326 IAC 6-3-2 Allowable Emission Rate, the baffles associated with each of the three (3) truck receiving pits (North Pit, Middle Pit, and South Pit) shall be in operation and control particulate emissions from the respective receiving pit at all times the receiving pits are in operation.

The operation of the grain elevator will emit less than 10 tons per year of a single HAP and less than 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

**326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)**

Pursuant to 326 IAC 7-1.1-1, each of the propane-fired grain dryers is not subject to the requirements of 326 IAC 7-1.1, since each has unlimited sulfur dioxide (SO<sub>2</sub>) emissions less than twenty-five (25) tons per year and ten (10) pounds per hour respectively.

**326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)**

Each of the units at this source is not subject to the requirements of 326 IAC 8-1-6, since each has unlimited VOC potential emissions of less than twenty-five (25) tons per year.

**Compliance Determination and Monitoring Requirements**

Permits issued under 326 IAC 2-6.1 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-6.1-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

- (a) There are no compliance determination requirements applicable to this source.
- (b) The compliance monitoring requirements applicable to this source are as follows:

| <b>Emission Unit/Control</b> | <b>Operating Parameters</b> | <b>Frequency</b> |
|------------------------------|-----------------------------|------------------|
| Grain Elevator               | Visible Emission Notations  | Daily            |

These monitoring conditions are necessary to ensure compliance with the opacity limitations contained in 40 CFR Part 60, Subpart DD, New Source Performance Standards (NSPS) for Grain Elevators.

**Recommendation**

The staff recommends to the Commissioner that the MSOP Renewal be approved. This recommendation is based on the following facts and conditions:

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 December 14, 2011.

**Conclusion**

The operation of this stationary grain elevator that receives and ships grain by rail and/or truck shall be subject to the conditions of the attached MSOP Renewal No. 073-31260-00021.

|                     |
|---------------------|
| <b>IDEM Contact</b> |
|---------------------|

- (a) Questions regarding this proposed permit can be directed to Deena Patton 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) 234-5400 or toll free at 1-800-451-6027 extension 45400.
- (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.idem.in.gov](http://www.idem.in.gov)

TSD Appendix A: Emission Calculations  
Emissions Summary

Company Name: ADM Grain Company  
Source Address: 9179 W. State Road 14, Rensselaer, IN 47978  
Permit No.: 073-31260-00021  
Reviewer: Deena Patton

| Process Description   | Unlimited/Uncontrolled Potential to Emit (PTE) (tons/year)* |             |             |             |             |             |             |              |            |                  |            |
|---|---|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|------------------|------------|
|   | PM  | PM10        | PM2.5       | SO2         | NOx         | VOC         | CO          | GHGs as CO2e | Total HAPs | Worst Single HAP |            |
| <b>Non-Fugitive and Fugitive Emissions**</b>                      |   |             |             |             |             |             |             |              |            |                  |            |
| Grain Elevator (grain receiving, handling, storage, and shipping) | 197.1   | 89.5        | 15.24       | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0        | 0.0              | ---        |
| Dryers  | 0.75  | 2.61        | 2.61        | 0.37        | 48.5        | 3.73        | 28.0        | 47644        | 0.0        | 0.0              | ---        |
| Temporary Storage Piles (loading and unloading)                   | 9.94  | 3.63        | 0.62        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0        | 0.0              | ---        |
| Temporary Storage Piles (wind erosion)                            | 2.92  | 1.02        | 1.02        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0        | 0.0              | ---        |
| Unpaved Roads***  | 6.24  | 1.59        | 0.16        | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0        | 0.0              | ---        |
| <b>Totals</b>   | <b>216.9</b>  | <b>98.3</b> | <b>19.6</b> | <b>0.37</b> | <b>48.5</b> | <b>3.73</b> | <b>28.0</b> | <b>47644</b> | <b>0.0</b> | <b>0.0</b>       | <b>---</b> |

| Process Description   | Limited/Controlled Potential to Emit (PTE) (tons/year)* |             |            |             |             |             |             |              |            |                  |            |
|---|---|-------------|------------|-------------|-------------|-------------|-------------|--------------|------------|------------------|------------|
|   | PM  | PM10        | PM2.5      | SO2         | NOx         | VOC         | CO          | GHGs as CO2e | Total HAPs | Worst Single HAP |            |
| <b>Non-Fugitive and Fugitive Emissions**</b>                      |   |             |            |             |             |             |             |              |            |                  |            |
| Grain Elevator (grain receiving, handling, storage, and shipping) | 73.8  | 26.1        | 4.45       | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0        | 0.0              | ---        |
| Dryers  | 0.75  | 2.61        | 2.61       | 0.4         | 48.5        | 3.73        | 28.0        | 47644        | 0.0        | 0.0              | ---        |
| Temporary Storage Piles (loading and unloading)                   | 9.94  | 3.63        | 0.62       | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0        | 0.0              | ---        |
| Temporary Storage Piles (wind erosion)                            | 2.92  | 1.02        | 1.02       | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0        | 0.0              | ---        |
| Unpaved Roads***  | 6.24  | 1.59        | 0.16       | 0.0         | 0.0         | 0.0         | 0.0         | 0.0          | 0.0        | 0.0              | ---        |
| <b>Totals</b>   | <b>93.6</b>   | <b>35.0</b> | <b>8.9</b> | <b>0.37</b> | <b>48.5</b> | <b>3.73</b> | <b>28.0</b> | <b>47644</b> | <b>0.0</b> | <b>0.0</b>       | <b>---</b> |

Notes:

\*Potential to Emit (PTE) is based on rated capacity at 8,760 hours/year.

\*\*This type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, however, there is an applicable New Source Performance Standard that was in effect on August 7, 1980, therefore fugitive emissions, from the affected facility to which the New Source Performance Standard is applicable, are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

\*\*\*Mitigated PTE (tons/yr) is taking natural mitigation due to precipitation into consideration.

**TSD Appendix A: Emission Calculations**  
**Grain Elevator: Grain Receiving, Handling, Storage, and Shipping**

**Company Name: ADM Grain Company**  
**Source Address: 9179 W. State Road 14, Rensselaer, IN 47978**  
**Permit No.: 073-31260-00021**  
**Reviewer: Deena Patton**

Bulk Density of Grain =  lbs/bushel

**1. Potential Grain Throughput Calculations**

Potential Grain Throughput =  (bushels/year)  
 Potential Grain Throughput =  (tons/year)

Total number of internal handling steps =   
 Potential Internal Handling Throughput =  tons/year

**2. PTE Calculations**

| Emissions Unit Description | Potential Grain Throughput (tons/yr) | PM Emission Factor (lbs/ton) | PM10 Emission Factor (lbs/ton) | PM2.5 Emission Factor (lbs/ton) | Control Device(s) | Collection and Control Efficiency (%) | PTE of PM Before Control (tons/yr) | PTE of PM10 Before Control (tons/yr) | PTE of PM2.5 Before Control (tons/yr) | PTE of PM After Control (tons/yr) | PTE of PM10 After Control (tons/yr) | PTE of PM2.5 After Control (tons/yr) |
|----------------------------|--------------------------------------|------------------------------|--------------------------------|---------------------------------|-------------------|---------------------------------------|------------------------------------|--------------------------------------|---------------------------------------|-----------------------------------|-------------------------------------|--------------------------------------|
| Receiving - Straight Truck | 600,000                              | 0.18                         | 0.059                          | 0.010                           | None              | 0%                                    | 54.00                              | 17.70                                | 3.00                                  | 54.00                             | 17.70                               | 3.00                                 |
| Internal Handling          | 3,600,000                            | 0.061                        | 0.034                          | 0.0058                          | Enclosed          | 90%                                   | 109.80                             | 61.20                                | 10.44                                 | 10.98                             | 6.12                                | 1.04                                 |
| Loadout - Truck **         | 600,000                              | 0.086                        | 0.029                          | 0.0049                          | Socks on Spouts   | 95%                                   | 25.80                              | 8.70                                 | 1.47                                  | 1.29                              | 0.44                                | 0.07                                 |
| Storage - Silos and Bins   | 600,000                              | 0.025                        | 0.0063                         | 0.0011                          | None              | 0%                                    | 7.50                               | 1.89                                 | 0.33                                  | 7.50                              | 1.89                                | 0.33                                 |
| <b>Totals</b>              |                                      |                              |                                |                                 |                   |                                       | <b>197.10</b>                      | <b>89.49</b>                         | <b>15.24</b>                          | <b>73.8</b>                       | <b>26.15</b>                        | <b>4.45</b>                          |

**Methodology**

\*\*Shipping by truck produces more particulate emissions than shipping by railcar. To constitute a realistic maximum particulate emissions IDEM has assumed all shipping is handled by truck.  
 Emission factors are from AP 42 Table 9.9.1-1 Particulate Emission Factors for Grain Elevators (3/03)  
 Potential Grain Throughput (tons/year) = [Potential Grain Throughput (bushels/year)] \* [60 lbs/bushel] \* [ton/2000 lbs]  
 Potential Internal Handling Throughput (tons/year) = [Potential Grain Throughput (bushels/year)] \* [Total number of internal handling steps]  
 PTE of PM/PM10/PM2.5 Before Control (tons/yr) = [Potential Grain Throughput (tons/yr)] \* [Emission Factor (lbs/ton)] \* [ton/2,000 lbs]  
 PTE of PM/PM10/PM2.5 After Control (tons/yr) = [PTE of PM/PM10/PM2.5 Before Control (tons/yr)] \* [1 - Control Efficiency]

**Appendix A: Emission Calculations**

**LPG-Propane**

(Heat input capacity: > 10 MMBtu/hr and < 100 MMBtu/hr)

**Company Name:** ADM Grain Company  
**Source Address:** 9179 W. State Road 14, Rensselaer, IN 47978  
**Permit No.:** 073-31260-00021  
**Reviewer:** Deena Patton

Heat Input Capacity  
MMBtu/hr

Potential Throughput  
kgals/year

SO2 Emission factor = 0.10 x S  
 S = Sulfur Content =

1.00 grains/100ft<sup>3</sup>

77.86

7454.23

| Emission Factor in lb/kgal    | Pollutant |       |                |                |       |                           |       |
|-------------------------------|-----------|-------|----------------|----------------|-------|---------------------------|-------|
|                               | PM*       | PM10* | direct PM2.5** | SO2<br>(0.10S) | NOx   | VOC<br>1.0<br>**TOC value | CO    |
| Potential Emission in tons/yr | 0.2       | 0.7   | 0.7            | 0.1            | 13.0  | 1.0                       | 7.5   |
|                               | 0.75      | 2.61  | 2.61           | 0.37           | 48.45 | 3.73                      | 27.95 |

\*PM emission factor is filterable PM only. PM emissions are stated to be all less than 10 microns in aerodynamic equivalent diameter, footnote in Table 1.5-1, therefore PM10 is based on the filterable and condensable PM emission factors.

\*\* No direct PM2.5 emission factor was given. Direct PM2.5 is a subset of PM10. If one assumes all PM10 to be all direct PM2.5, then a worst case assumption of direct PM2.5 can be made.

\*\*The VOC value given is TOC. The methane emission factor is 0.2 lb/kgal.

**Methodology**

1 gallon of LPG has a heating value of 94,000 Btu

1 gallon of propane has a heating value of 91,500 Btu (use this to convert emission factors to an energy basis for propane)

(Source - AP-42 (Supplement B 10/96) page 1.5-1)

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.0915 MMBtu

Emission Factors are from AP42 (7/08), Table 1.5-1 (SCC #1-02-010-02)

Propane Emission Factors shown. Please see AP-42 for butane.

Emission (tons/yr) = Throughput (kgals/yr) x Emission Factor (lb/kgal) / 2,000 lb/ton

See Page 2 for Greenhouse Gas calculations.

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updated 7/11

**Appendix A: Emission Calculations  
LPG-Propane - Industrial Boilers  
(Heat input capacity: > 10 MMBtu/hr and < 100 MMBtu/hr)  
Greenhouse Gas**

**Company Name:** ADM Grain Company  
**Source Address:** 9179 W. State Road 14, Rensselaer, IN 47978  
**Permit No.:** 073-31260-00021  
**Reviewer:** Deena Patton

|                                       | Greenhouse Gas |      |      |
|---------------------------------------|----------------|------|------|
|                                       | CO2            | CH4  | N2O  |
| Emission Factor in lb/kgal            | 12,500         | 0.2  | 0.9  |
| Potential Emission in tons/yr         | 46,589         | 0.75 | 3.35 |
| Summed Potential Emissions in tons/yr | 46,593         |      |      |
| CO2e Total in tons/yr                 | 47,644         |      |      |

**Methodology**

The CO2 Emission Factor for Propane is 12500. The CO2 Emission Factor for Butane is 14300.  
Emission Factors are from AP 42 (7/08), Table 1.5-1 (SCC #1-02-010-02)  
Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.  
Emission (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton  
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) +  
N2O Potential Emission ton/yr x N2O GWP (310).

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updated 7/11

**Appendix A: Emissions Calculations**  
**Loading and Unloading of Temporary Grain Storage Piles**

**Company Name:** ADM Grain Company  
**Source Address:** 9179 W. State Road 14, Rensselaer, IN 47978  
**Permit No.:** 073-31260-00021  
**Reviewer:** Deena Patton

Annual Grain Throughput 2,400,000 bushels/year  
 Annual Grain Throughput 72,000 tons/year\*

| Storage Pile Loading and Unloading                         |                   |                                     | AP-42 Emission Factors** |        |        | Potential Emissions (lbs/hr) |             |             | Potential Emissions (tons/yr) |             |             |
|--|-------------------|-------------------------------------|--------------------------|--------|--------|------------------------------|-------------|-------------|-------------------------------|-------------|-------------|
| Type of Activity   | Type of Emissions | Annual Grain Throughput (tons/year) | PM                       | PM10   | PM2.5  | PM                           | PM10        | PM2.5       | PM                            | PM10        | PM2.5       |
| Unloading grain from truck to storage pile conveyor        | Non-Fugitive      | 72,000                              | 0.180                    | 0.059  | 0.010  | 1.48                         | 0.48        | 0.08        | 6.48                          | 2.12        | 0.36        |
| Unloading grain from storage pile conveyor to storage pile | Fugitive          | 72,000                              | 0.061                    | 0.034  | 0.0058 | 0.50                         | 0.28        | 0.05        | 2.20                          | 1.22        | 0.21        |
| Unloading bulk products from storage pile to hopper truck  | Fugitive          | 72,000                              | 0.035                    | 0.0078 | 0.0013 | 0.29                         | 0.06        | 0.011       | 1.26                          | 0.28        | 0.05        |
| <b>Totals</b>  |                   |                                     |                          |        |        | <b>1.77</b>                  | <b>0.55</b> | <b>0.09</b> | <b>9.94</b>                   | <b>3.63</b> | <b>0.62</b> |

ADM has 3 temporary storage piles with a maximum capacity of 2,400,000 bushels/year

\* It is assumed that 1 bushel = 60 pounds.

\*\* AP-42 Factors are from Table 9.9.1-1. Particulate Emission Factors for Grain Elevators

**Methodology**

Potential Emissions (lbs/hr) = [Annual Grain Throughput (tons/year)] \* [Emission factor (lbs/ton)] \* [year/8760 hours]

Potential Emissions (tons/yr) = [Annual Grain Throughput (tons/year)] \* [Emission factor (lbs/ton)] \* [ton/2000 lbs]

**TSD Appendix A: Emission Calculations**  
**Fugitive Dust Emissions from Open Storage Pile Wind Erosion**

**Company Name:** ADM Grain Company  
**Source Address:** 9179 W. State Road 14, Rensselaer, IN 47978  
**Permit No.:** 073-31260-00021  
**Reviewer:** Deena Patton

**Material Storage Piles (AP-42 Section 11.2.3)**

The following calculations determine the amount of emissions created by wind erosion of storage stockpiles, based on 8,760 hours of use and USEPA's AP-42 (Pre 1983 Edition), Section 11.2.3.

$$E_f = 1.7 \cdot (s/1.5)^3 \cdot (365-p)/235 \cdot (f/15)$$

where  $E_f$  = emission factor (lb/acre/day)  
 $s$  = silt content (wt %)  
 $p$  = 125 days of rain greater than or equal to 0.01 inches  
 $f$  = 15 % of wind greater than or equal to 12 mph

| Storage Pile*                        | Materials | Worst Case Silt Content (wt %)* | Emission Factor (lb/acre/day) | Maximum Anticipated Pile Size (acres)** | Unlimited PTE of PM (Before Control) (tons/yr) | Unlimited PTE of PM10/PM2.5 (Before Control) (tons/yr) |
|--------------------------------------|-----------|---------------------------------|-------------------------------|---|--|--|
| Open Storage Pile                    | grain     | 4.6                             | 5.32                          | 6.00                                    | 5,830  | 2,041  |
| <b>Totals PTE (Before Control) =</b> |           |                                 |                               |   | <b>5.83</b>                                    | <b>2.04</b>  |
| Dust Control Efficiency =            |           |                                 |                               |   | 50.0%  | 50.0%  |
| <b>Totals PTE (After Control) =</b>  |           |                                 |                               |   | <b>2.92</b>                                    | <b>1.02</b>  |

**Methodology**

\*\*Maximum pile size (acres) provided by the source

Unlimited PTE of PM (tons/yr) = (Emission Factor (lb/acre/day)) \* (Maximum Pile Size (acres)) \* (ton/2000 lbs) \* (8760 hours/yr)

Unlimited PTE of PM10 (tons/yr) = (Potential PM Emissions (tons/yr)) \* 35%

\*Worst case silt content of grain assumed equal to the silt content of coal at a iron and steel production facility (AP-42 Table 13.2.4-1, dated 11/2006)

**Appendix A: Emission Calculations  
Fugitive Dust Emissions - Unpaved Roads**

**Company Name:** ADM Grain Company  
**Source Address:** 9179 W. State Road 14, Rensselaer, IN 47978  
**Permit No.:** 073-31260-00021  
**Reviewer:** Deena Patton

**Unpaved Roads at Industrial Site**

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (11/2006).

**Vehicle Information (provided by source)**

| Type                                    | Maximum number of vehicles | Number of one-way trips per day per vehicle | Maximum trips per day (trip/day) | Maximum Weight Loaded (tons/trip) | Total Weight driven per day (ton/day) | Maximum one-way distance (feet/trip) | Maximum one-way distance (mi/trip) | Maximum one-way miles (miles/day) | Maximum one-way miles (miles/yr) |
|---|----------------------------|---|----------------------------------|-----------------------------------|---------------------------------------|--------------------------------------|------------------------------------|-----------------------------------|----------------------------------|
| Vehicle (entering plant) (one-way trip) | 25.0                       | 1.0   | 25.0                             | 60.0                              | 1500.0                                | 600                                  | 0.114                              | 2.8                               | 1036.9                           |
| Vehicle (leaving plant) (one-way trip)  | 25.0                       | 1.0   | 25.0                             | 40.0                              | 1000.0                                | 600                                  | 0.114                              | 2.8                               | 1036.9                           |
| <b>Totals</b>                           |                            |   | <b>50.0</b>                      |                                   | <b>2500.0</b>                         |                                      |                                    | <b>5.7</b>                        | <b>2073.9</b>                    |

Average Vehicle Weight Per Trip = 

|      |           |
|------|-----------|
| 50.0 | tons/trip |
|------|-----------|

  
Average Miles Per Trip = 

|      |            |
|------|------------|
| 0.11 | miles/trip |
|------|------------|

Unmitigated Emission Factor, Ef =  $k \cdot [(s/12)^a] \cdot [(W/3)^b]$  (Equation 1a from AP-42 13.2.2)

|           | PM   | PM10 | PM2.5 |  |
|-----------|------|------|-------|--|
| where k = | 4.9  | 1.5  | 0.15  | lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)                 |
| s =       | 4.8  | 4.8  | 4.8   | % = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 Sand/Gravel Processing Plant) |
| a =       | 0.7  | 0.9  | 0.9   | = constant (AP-42 Table 13.2.2-2 for Industrial Roads)                                       |
| W =       | 50.0 | 50.0 | 50.0  | tons = average vehicle weight (provided by source)   |
| b =       | 0.45 | 0.45 | 0.45  | = constant (AP-42 Table 13.2.2-2 for Industrial Roads)                                       |

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext =  $E \cdot [(365 - P)/365]$  (Equation 2 from AP-42 13.2.2)

Mitigated Emission Factor, Eext =  $E \cdot [(365 - P)/365]$   
where P = 

|     |   |
|-----|---|
| 125 | days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1) |
|-----|---|

|                                   | PM   | PM10 | PM2.5 |         |
|-----------------------------------|------|------|-------|---------|
| Unmitigated Emission Factor, Ef = | 9.15 | 2.33 | 0.23  | lb/mile |
| Mitigated Emission Factor, Eext = | 6.02 | 1.53 | 0.15  | lb/mile |

| Process                                 | Unmitigated PTE of PM (tons/yr) | Unmitigated PTE of PM10 (tons/yr) | Unmitigated PTE of PM2.5 (tons/yr) | Mitigated PTE of PM (tons/yr) | Mitigated PTE of PM10 (tons/yr) | Mitigated PTE of PM2.5 (tons/yr) |
|---|---------------------------------|-----------------------------------|------------------------------------|-------------------------------|---------------------------------|----------------------------------|
| Vehicle (entering plant) (one-way trip) | 4.74                            | 1.21                              | 0.12                               | 3.12                          | 0.80                            | 0.08                             |
| Vehicle (leaving plant) (one-way trip)  | 4.74                            | 1.21                              | 0.12                               | 3.12                          | 0.80                            | 0.08                             |
| <b>Totals</b>                           | <b>9.49</b>                     | <b>2.42</b>                       | <b>0.24</b>                        | <b>6.24</b>                   | <b>1.59</b>                     | <b>0.16</b>                      |

**Methodology**

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] \* [Maximum trips per day (trip/day)]  
Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]  
Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] \* [Maximum one-way distance (mi/trip)]  
Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/day)]  
Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]  
Unmitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) \* (Unmitigated Emission Factor (lb/mile)) \* (ton/2000 lbs)  
Mitigated PTE (tons/yr) = (Maximum one-way miles (miles/yr)) \* (Mitigated Emission Factor (lb/mile)) \* (ton/2000 lbs)  
Controlled PTE (tons/yr) = (Mitigated PTE (tons/yr)) \* (1 - Dust Control Efficiency)

**Abbreviations**

PM = Particulate Matter  
PM10 = Particulate Matter (<10 um)  
PM2.5 = Particulate Matter (<2.5 um)  
PTE = Potential to Emit

**Appendix A: Emission Calculations  
PM Emissions From the Grain Handling, Storage and Drying Processes  
Demonstration of Compliance with 326 IAC 6-3-2**

TSD App A, Page 8 of 8

Company Name: ADM Grain Company  
Source Address: 9179 W. State Road 14, Rensselaer, IN 47978  
Permit No.: 073-31260-00021  
Reviewer: Deena Patton

**Allowable Emissions Under 326 IAC 6-3-2**

| Emissions Unit Description    | Maximum (bushels/hr) | Maximum Process Weight (tons/hr) | PM Emission Factor (lbs/ton) | Control Device(s) | Collection and Control Efficiency (%) | PM Emissions Before Control (lbs/hr) | 326 IAC 6-3-2 Allowable PM Emissions (lbs/hr) | PM Emissions After Control (lbs/hr) |
|-------------------------------|----------------------|----------------------------------|------------------------------|-------------------|---------------------------------------|--------------------------------------|---|-------------------------------------|
| Truck Receiving - House Pit   | 10,000               | 300.00                           | 0.18                         | NA                | 0%                                    | 54.00                                | 63.0  | 54.00                               |
| Truck Receiving - Penalty Box | 3,500                | 105.0                            | 0.18                         | NA                | 0%                                    | 18.90                                | 51.8  | 18.90                               |
| Truck Receiving - North Pit   | 15,000               | 450.0                            | 0.18                         | baffles           | 50%                                   | 81.00                                | 67.7  | 40.50                               |
| Truck Receiving - Middle Pit  | 15,000               | 450.0                            | 0.18                         | baffles           | 50%                                   | 81.00                                | 67.7  | 40.50                               |
| Truck Receiving - South Pit   | 15,000               | 450.0                            | 0.18                         | baffles           | 50%                                   | 81.00                                | 67.7  | 40.50                               |
| Internal Handling Operation   | 1,800                | 54                               | 0.061                        | NA                | 0%                                    | 3.3                                  | 45.3  | 3.29                                |
| House Cleaner                 | 10,000               | 300                              | 0.061                        | NA                | 0%                                    | 18.3                                 | 63.0  | 18.30                               |
| GSI Cleaner                   | 12,000               | 360                              | 0.061                        | NA                | 0%                                    | 21.96                                | 65.1  | 21.96                               |
| Zimmerman VT5046 Dryer        | 5,000                | 150                              | 0.061                        | NA                | 0%                                    | 9.15                                 | 55.4  | 9.15                                |
| Zimmerman VT1816 Dryer        | 1,500                | 45                               | 0.061                        | NA                | 0%                                    | 2.75                                 | 43.6  | 2.75                                |
| Truck Loadout Bin 5           | 15,000               | 450                              | 0.061                        | NA                | 0%                                    | 27.45                                | 67.7  | 27.45                               |
| Truck Loadout Bin 6           | 15,000               | 450                              | 0.061                        | NA                | 0%                                    | 27.5                                 | 67.7  | 27.45                               |
| Truck Loadout Bin 19          | 10,000               | 300                              | 0.061                        | Sock on Spouts    | 95%                                   | 18.3                                 | 63.0  | 0.92                                |
| Truck Loadout Bin 20          | 10,000               | 300                              | 0.061                        | Sock on Spouts    | 95%                                   | 18.3                                 | 63.0  | 0.92                                |
| Rail Loadout                  | 40,000               | 1,200                            | 0.061                        | Sock on Spouts    | 95%                                   | 73.2                                 | 80.0  | 3.66                                |
| Side Draw Loadout Bin 13      | 10,000               | 300                              | 0.061                        | NA                | 0%                                    | 18.3                                 | 63.0  | 18.30                               |
| Side Draw Loadout Bin 15      | 20,000               | 600                              | 0.061                        | NA                | 0%                                    | 36.6                                 | 71.2  | 36.60                               |
| Side Draw Loadout Bin 17      | 20,000               | 600                              | 0.061                        | NA                | 0%                                    | 36.6                                 | 71.2  | 36.60                               |
| Side Draw Loadout Bin 21      | 10,000               | 300                              | 0.061                        | NA                | 0%                                    | 18.3                                 | 63.0  | 18.30                               |
| Side Draw Loadout Bin 25      | 10,000               | 300                              | 0.061                        | NA                | 0%                                    | 18.3                                 | 63.0  | 18.30                               |
| Temporary Ground Pile         | 15,000               | 450                              | 0.061                        | NA                | 0%                                    | 27.5                                 | 67.7  | 27.45                               |
| Temporary Ground Pile         | 15,000               | 450                              | 0.061                        | NA                | 0.00%                                 | 27.5                                 | 67.7  | 27.45                               |
| Temporary Ground Pile         | 15,000               | 450                              | 0.061                        | NA                | 0.00%                                 | 27.5                                 | 67.7  | 27.45                               |
| Seven (7) Concrete Silos*     | 10,000               | 300                              | 0.025                        | NA                | 0.00%                                 | 7.5                                  | 63.0  | 7.50                                |
| Seventeen (17) Steel Bins**   | 28,500               | 855                              | 0.025                        | NA                | 0.00%                                 | 21.4                                 | 75.6  | 21.38                               |
| Flat Building                 | 3,500                | 105                              | 0.061                        | NA                | 0%                                    | 6.4                                  | 51.8  | 6.41                                |
|                               |                      |                                  |                              |                   |                                       | 335,800                              |   | 1.15                                |

\* The Maximum (bushels/hr) is per emission unit  
\*\*The Maximum (bushels/hr) is a combined amount.

Where the process weight rate is in excess of sixty thousand (60,000) pounds per hour calculate the allowable emissions using of the equation:

$$E = 55.0 P^{0.11} - 40$$

where

E = rate of emission in pounds per hour and

P = process weight rate in tons per hour

When the process weight rate exceeds two hundred (200) tons per hour, the maximum allowable emission may exceed the emission rate derived by the equation above, provided the concentration of particulate matter in the discharge gases to the atmosphere is less than 0.10 pounds per one thousand (1,000) pounds of

Emission factors are from AP 42 Table 9.9.1-1 Particulate Emission Factors for Grain Elevators (4/03)

**Methodology**

Maximum Grain Throughput (tons/hr) = Maximum Grain Throughput (bushels/hr) x 60 (lbs/bushel) x 1 ton/2000 lbs

PTE of PM/PM10 Before Control (lbs/hr) = Maximum Throughput (tons/hr) x Emission factor (lbs/ton)

PTE of PM/PM10 After Control (tons/yr) = Maximum Throughput (tons/hr) x Emission factor (lbs/ton) x (1- Control Efficiency (%))



# 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](http://www.idem.IN.gov)

March 20, 2012

James Tyler  
ADM Grain Company  
4666 Faries Pkwy  
Decatur, IL 62526

Re: Public Notice  
ADM Grain Company  
Permit Level: MSOP  
Permit Number: 073-31260-00021

Dear Mr. Tyler:

Enclosed is a copy of your draft MSOP, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has submitted the draft permit package to the Jasper County Public Library, 208 W Susan Street in Rensselaer, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper. The OAQ has requested that the Renssealer Republican in Renssealer, Indiana publish this notice no later than Thursday, March 22, 2012.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Deena Patton, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-5400 or dial (317) 234-5400

Sincerely,  
*Catherine Denny*  
Permits Branch  
Office of Air Quality

Enclosures  
PN Applicant Cover letter. dot 3/27/08



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## **ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING**

March 20, 2012

*Rensselaer Republican*  
117 North Van Rensselaer Street  
Rensselaer, Indiana 47978

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for ADM Grain Company.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than Thursday, March 22 2012.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Catherine Denny at 800-451-6027 and ask for extension 3-9488 or dial 317-233-9488.

Sincerely,  
*Catherine Denny*  
Permit Branch  
Office of Air Quality

Permit Level: MSOP  
Permit Number: 073-31260-00021

Enclosure  
PN Newspaper.dot 3/27/08



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Indianapolis, Indiana 46204  
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Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

March 20, 2012

To: Jasper County Public Library

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

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

**Applicant Name: ADM Grain Company**  
**Permit Number: 073-31260-00021**

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures  
PN Library.dot 03/27/08



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Indianapolis, Indiana 46204  
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Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## Notice of Public Comment

**March 20, 2012**  
**ADM Grain Company**  
**073-31260-00021**

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

**Please Note:** *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure  
PN AAA Cover.dot 3/27/08

# Mail Code 61-53

|                            |   |   |   |  |
|----------------------------|---|---|---|--|
| IDEM Staff                 | CDENNY 3/20/2012<br>ADM Grain Company 073-31260-00021 (draft)                     |   | Type of Mail:<br><br><b>CERTIFICATE OF MAILING ONLY</b> | AFFIX STAMP<br>HERE IF<br>USED AS<br>CERTIFICATE<br>OF MAILING |
| Name and address of Sender |  | Indiana Department of Environmental Management<br>Office of Air Quality – Permits Branch<br>100 N. Senate<br>Indianapolis, IN 46204 |   |  |

| 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    |                | James Tyler ADM Grain Company 4666 Faries Pkwy Decatur IL 62526 (Source CAATS)                                  |         |                 |                            |               |                 |          |          |          |                |         |
| 2    |                | Jeffrey J Becker VP - US Grain Ops & Engineering ADM Grain Company 4666 Faries Pkwy Decatur IL 62526 (RO CAATS) |         |                 |                            |               |                 |          |          |          |                |         |
| 3    |                | Jasper County Commissioners 115 W. Washington Street Rensselaer IN 47978 (Local Official)                       |         |                 |                            |               |                 |          |          |          |                |         |
| 4    |                | Jasper County Health Department 105 W. Kellner St Rensselaer IN 47978-2623 (Health Department)                  |         |                 |                            |               |                 |          |          |          |                |         |
| 5    |                | Jasper Co Public Library 208 W Susan St Rensselaer IN 47978-2699 (Library)                                      |         |                 |                            |               |                 |          |          |          |                |         |
| 6    |                | Mr. Kenny Haun P.O. Box 280 Rensselaer IN 47978 (Affected Party)  |         |                 |                            |               |                 |          |          |          |                |         |
| 7    |                |   |         |                 |                            |               |                 |          |          |          |                |         |
| 8    |                |   |         |                 |                            |               |                 |          |          |          |                |         |
| 9    |                |   |         |                 |                            |               |                 |          |          |          |                |         |
| 10   |                |   |         |                 |                            |               |                 |          |          |          |                |         |
| 11   |                |   |         |                 |                            |               |                 |          |          |          |                |         |
| 12   |                |   |         |                 |                            |               |                 |          |          |          |                |         |
| 13   |                |   |         |                 |                            |               |                 |          |          |          |                |         |
| 14   |                |   |         |                 |                            |               |                 |          |          |          |                |         |
| 15   |                |   |         |                 |                            |               |                 |          |          |          |                |         |

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