



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

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Governor

Thomas W. Easterly
Commissioner

NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Revision to a
Minor Source Operating Permit (MSOP)

for ADM Grain Company in Spencer County

Significant Permit Revision No.: 147-34289-00055

The Indiana Department of Environmental Management (IDEM) has received an application from ADM Grain Company located at 609 N. State Road 66, Rockport, Indiana for a significant revision of its MSOP (M147-28763-00055) issued on March 30, 2010. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow ADM Grain Company to make certain changes at its existing source. ADM Grain Company has applied to increase the limited annual grain throughput and construct the following equipment:

- (a) One (1) barge conveyor, identified as Barge Conveyor, constructed in 2002, with a maximum capacity of 25,000 bushels per hour, and exhausting to the atmosphere.
- (b) One receiving pit, identified as Pit 0, approved in 2014 for construction receiving a maximum capacity of 50,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed or removed. These corrections, changes, and removals may include Title I changes (e.g., changes that add or modify synthetic minor emission limits). IDEM has reviewed this application, and has developed preliminary findings, consisting of a draft permit and several supporting documents, that would allow the applicant to make this change.

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

Spencer County Public Library
210 Walnut Street
Rockport, IN 47635-1398

and

Southwest Regional Office
1120 N. Vincennes Avenue
P.O. Box 128
Petersburg, Indiana 47567-0128

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 30th 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



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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 147-34289-00055 in all correspondence.

Comments should be sent to:

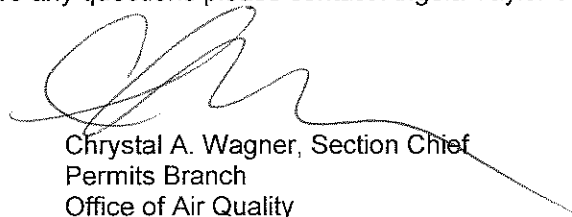
Angela Taylor
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-5329
Or dial directly: (317) 234-5329
Fax: (317) 232-6749 attn: Angela Taylor
E-mail: ataylor@idem.IN.gov

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 the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

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 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251 and Southwest Regional Office, located at 1120 N. Vincennes Avenue, P.O. Box 128 Petersburg, Indiana 47567-0128. If you have any questions please contact Angela Taylor or my staff at the above address.



Chrystal A. Wagner, Section Chief
Permits Branch
Office of Air Quality



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Thomas W. Easterly
Commissioner

Miranda Gerard
ADM Grain Company
4666 Faries Pkwy
Decatur, Illinois 62526

Re: 147-34289-00055
Significant Revision to
M147-28763-00055

Dear Miranda Gerard:

ADM Grain Company was issued a Minor Source Operating Permit (MSOP) Renewal No.: 147-34289-00055 on March 30, 2010 for a country grain elevator located at 609 N. State Road 66, Rockport, Indiana. On March 10, 2014, the Office of Air Quality (OAQ) received an application from the source requesting to increase the limited annual grain throughput and construct the following equipment:

- (a) One (1) barge conveyor, identified as Barge Conveyor, constructed in 2002, with a maximum capacity of 25,000 bushels per hour, and exhausting to the atmosphere.
- (b) One receiving pit, identified as Pit 0, approved in 2014 for construction receiving a maximum capacity of 50,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.

The attached Technical Support Document (TSD) provides additional explanation of the changes to the source/permit. Pursuant to the provisions of 326 IAC 2-6.1-6, these changes to the permit are required to be reviewed in accordance with the Significant Permit Revision (SPR) procedures of 326 IAC 2-6.1-6(i). Pursuant to the provisions of 326 IAC 2-6.1-6, a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document (TSD).

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-6.1-6, this permit shall be revised by incorporating the significant permit revision into the permit.

All other conditions of the permit shall remain unchanged and in effect. Please find attached the entire MSOP as revised. The permit references the below listed attachment. Since this attachment has been provided in previously issued approvals for this source, IDEM OAQ has not included a copy of this attachment with this revision:

Attachment A: Fugitive Dust Control Plan

Previously issued approvals for this source containing these attachments are available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

Federal rules under Title 40 of United States Code of Federal Regulations may also be found on the U.S. Government Printing Office's Electronic Code of Federal Regulations (eCFR) website, located on the Internet at: http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title40/40tab_02.tpl.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Angela Taylor of my staff at 317-234-5329 or 1-800-451-6027, and ask for extension 4-5329.

Sincerely,

Chrystal Wagner, Section Chief
Permits Branch
Office of Air Quality

Attachments: Technical Support Document and revised permit

CAW/APT

cc: File - Spencer County
Spencer County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch



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Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

**ADM Grain Company
609 N. State Road 66
Rockport, Indiana 47635**

(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.: M147-28763-00055	
Issued / signed by:	Issuance Date: March 30, 2010
Alfred C. Dumauual, Ph. D., Section Chief Permits Branch Office of Air Quality	Expiration Date: March 30, 2020

Notice Only Change No: 147-29914-00055, issued February 17, 2011;

Significant Permit Revision No.: 147-34289-00055	
Issued by:	Issuance Date:
Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Expiration Date: March 30, 2020

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Attachment A - Fugitive Dust Control Plan

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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)]

The Permittee owns and operates a stationary country grain elevator.

Source Address:	609 N. State Road 66, Rockport, Indiana 47635
General Source Phone Number:	(217) 424-5200
SIC Code:	5153
County Location:	Spencer
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

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

- (a) One (1) truck receiving operation, identified as EP-1, consisting of the following equipment:
 - (1) One (1) receiving pit, identified as Dump #1, constructed in 2002, receiving a maximum capacity of 18,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
 - (2) One (1) receiving pit, identified as River Dump #2, constructed in 2002, receiving a maximum capacity of 30,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
 - (3) One (1) receiving pit, identified as River Dump #3, constructed in 2002, receiving a maximum capacity of 30,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
 - (4) One (1) receiving pit, identified as Dump #2, constructed in 2005, receiving a maximum capacity of 18,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
 - (5) One receiving pit, identified as Pit 0, approved in 2014 for construction, receiving a maximum capacity of 50,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
- (b) One (1) completely enclosed internal handling operation, identified as EP-2, consisting of the following equipment:
 - (1) One (1) drag conveyor, identified as Dump #1 Drag Conveyor, constructed in 2002, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.

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- (2) One (1) receiving leg, identified as Receiving Leg #1, constructed in 2002, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (3) One (1) bin 10 reclaim conveyor, identified as Bin 10 Reclaim Conveyor, constructed in 2002, with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (4) One (1) bin 20 reclaim, identified as Bin 20 Reclaim, constructed in 2002, with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (5) One (1) bin 30 reclaim, identified as Bin 30 Reclaim, constructed in 2002, with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (6) Two (2) storage bin reclaim conveyors, identified as Bin 15 Reclaim and Bin 25 Reclaim, constructed in 2005, each with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (7) One (1) storage bin fill conveyor, identified as Bin 25 Fill Conveyor, constructed in 2005, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (8) One (1) receiving pit conveyor, identified as Dump #2 Conveyor, constructed in 2005, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (9) One (1) receiving leg, identified as Receiving Leg #2, constructed in 2005, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (10) One (1) enclosed grain distributor, identified as Grain Distributor, constructed in 2005, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (11) One (1) storage bin reclaim conveyor, identified as Bin 26 Reclaim Conveyor, constructed in 2009, with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (12) One (1) storage bin fill conveyor, identified as Bin 26 Fill Conveyor, constructed in 2009, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (13) One (1) enclosed storage bin reclaim conveyor, identified as Bin 35 Reclaim Conveyor, approved for constructed in 2011, with a maximum capacity of 20,000 bushels per hour, and exhausting to the atmosphere.
 - (14) One (1) enclosed storage bin fill conveyor, identified as Bin 35 Fill Conveyor, approved for constructed in 2011, with a maximum capacity of 20,000 bushels per hour, and exhausting to the atmosphere.
- (c) One (1) storage area, identified as EP-5, consisting of the following equipment:
- (1) Two (2) storage bins, identified as Bin 10 and Bin 30, constructed in 2002, respectively, with a storage capacity of 111,000 bushels, and exhausting to the atmosphere.

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- (2) One (1) storage bin, identified as Bin 20, constructed in 2002, with a storage capacity of 24,000 bushels, and exhausting to the atmosphere.
- (3) One (1) storage bin, identified as Bin 25, constructed in 2005, with a storage capacity of 450,000 bushels, and exhausting to the atmosphere.
- (4) One (1) hopper bin, identified as Bin 15, constructed in 2005, with a storage capacity of 30,900 bushels, and exhausting to the atmosphere.
- (5) One (1) storage bin, identified as Bin 26, constructed in 2009, with a storage capacity of 650,000 bushels, and exhausting to the atmosphere.
- (6) One (1) storage bin, identified as Bin 35, approved for constructed in 2011, with a capacity of 1,040,000 bushels, and exhausting to the atmosphere.
- (d) One (1) barge shipping area, equipped with a spout, identified as EP-3, consisting of the following equipment:
 - (1) One (1) shipping conveyor, identified as Shipping Conveyor, constructed in 2002, with a maximum capacity of 30,000 bushels per hour, and exhausting to the atmosphere.
 - (2) One (1) barge conveyor, identified as River Belt, approved for construction in 2014, with a maximum capacity of 50,000 bushels per hour, and exhausting to the atmosphere.
 - (3) One (1) barge loadout spout, identified as Barge Loadout Spout, constructed in 2002, with a maximum capacity of 50,000 bushels per hour, and exhausting to the atmosphere.
- (e) One (1) truck shipping area, equipped with a sock/sleeve, identified as EP-4, consisting of the following equipment:
 - (1) One (1) bin 20 sidedraw truck loadout, identified as Bin 20 Sidedraw Truck Loadout, constructed in 2002, with a maximum capacity of 8,000 bushels per hour, and exhausting to the atmosphere.
 - (2) One (1) leg spout truck loadout, identified as Leg Spout Truck Loadout, constructed in 2002, with a maximum capacity of 18,000 bushels per hour, and exhausting to the atmosphere.
 - (3) One (1) bin 15 sidedraw truck loadout, identified as Bin 15 Sidedraw Truck Loadout, constructed in 2005, with a maximum capacity of 8,000 bushels per hour, and exhausting to the atmosphere.
 - (4) One (1) bin 25 sidedraw truck loadout, identified as Bin 25 Sidedraw Truck Loadout, constructed in 2005, with a maximum capacity of 8,000 bushels per hour, and exhausting to the atmosphere.
 - (5) One (1) bin 10 sidedraw truck loadout, identified as Bin 10 Sidedraw Truck Loadout, constructed in 2002, capacity: with a maximum capacity of 8,000 bushels per hour, and exhausting to the atmosphere.
- (f) One (1) 41.6 million British thermal units (MMBtu) per hour natural gas-fired grain dryer, identified as EP-7, constructed in 2006, with a maximum capacity of 4,000 bushels of grain per hour, and exhausting to the atmosphere.

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- (g) One (1) dryer conveying area consisting of the following equipment:
 - (1) One (1) conveyor, identified as Wet Drag, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
 - (2) One (1) conveyor, identified as Bottom Dry Drag, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
 - (3) One (1) conveyor, identified as Top Dry Drag, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
 - (4) One (1) conveyor, identified as Wet Leg, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
 - (5) One (1) conveyor, identified as Dry Leg, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
- (h) Fugitive emissions from unpaved roads and parking lots. [326 IAC 6-5]

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SECTION B GENERAL CONDITIONS

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

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) 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)]

- (a) This permit, M147-28763-00055, 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]

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

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

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

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

B.7 Duty to Provide Information

- (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 Reserved

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B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (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, IN 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.10 Preventive Maintenance Plan [326 IAC 1-6-3]

- (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:

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Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
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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.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M147-28763-00055 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.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

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.13 Permit Renewal [326 IAC 2-6.1-7]

- (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
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- (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

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

- (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.15 Source Modification Requirement

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

B.16 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]

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

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- (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.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (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.18 Annual Fee Payment [326 IAC 2-1.1-7]

- (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.19 Credible Evidence [326 IAC 1-1-6]

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

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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.

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

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

C.7 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the attached plan as in Attachment A.

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

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

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

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

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

no later than thirty-five (35) days prior to the intended test date.
- (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.10 Compliance Requirements [326 IAC 2-1.1-11]

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

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Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

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

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.12 Reserved

C.13 Instrument Specifications [326 IAC 2-1.1-11]

- (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.14 Response to Excursions or Exceedances

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.

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- (e) The Permittee shall record the reasonable response steps taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test

- (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.16 Malfunctions Report [326 IAC 1-6-2]

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.17 General Record Keeping Requirements [326 IAC 2-6.1-5]

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

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C.18 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) Reserved
- (d) 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.

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SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) truck receiving operation, identified as EP-1, consisting of the following equipment:
 - (1) One (1) receiving pit, identified as Dump #1, constructed in 2002, receiving a maximum capacity of 18,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
 - (2) One (1) receiving pit, identified as River Dump #2, constructed in 2002, receiving a maximum capacity of 30,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
 - (3) One (1) receiving pit, identified as River Dump #3, constructed in 2002, receiving a maximum capacity of 30,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
 - (4) One (1) receiving pit, identified as Dump #2, constructed in 2005, receiving a maximum capacity of 18,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
 - (5) One receiving pit, identified as Pit 0, approved in 2014 for construction, receiving a maximum capacity of 50,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
- (b) One (1) completely enclosed internal handling operation, identified as EP-2, consisting of the following equipment:
 - (1) One (1) drag conveyor, identified as Dump #1 Drag Conveyor, constructed in 2002, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (2) One (1) receiving leg, identified as Receiving Leg #1, constructed in 2002, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (3) One (1) bin 10 reclaim conveyor, identified as Bin 10 Reclaim Conveyor, constructed in 2002, with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (4) One (1) bin 20 reclaim, identified as Bin 20 Reclaim, constructed in 2002, with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (5) One (1) bin 30 reclaim, identified as Bin 30 Reclaim, constructed in 2002, with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (6) Two (2) storage bin reclaim conveyors, identified as Bin 15 Reclaim and Bin 25 Reclaim, constructed in 2005, each with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
 - (7) One (1) storage bin fill conveyor, identified as Bin 25 Fill Conveyor, constructed in 2005, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.

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- (8) One (1) receiving pit conveyor, identified as Dump #2 Conveyor, constructed in 2005, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
- (9) One (1) receiving leg, identified as Receiving Leg #2, constructed in 2005, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
- (10) One (1) enclosed grain distributor, identified as Grain Distributor, constructed in 2005, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
- (11) One (1) storage bin reclaim conveyor, identified as Bin 26 Reclaim Conveyor, constructed in 2009, with a maximum capacity of 20,000 bushels of grain per hour, and exhausting to the atmosphere.
- (12) One (1) storage bin fill conveyor, identified as Bin 26 Fill Conveyor, constructed in 2009, with a maximum capacity of 18,000 bushels of grain per hour, and exhausting to the atmosphere.
- (13) One (1) enclosed storage bin reclaim conveyor, identified as Bin 35 Reclaim Conveyor, approved for constructed in 2011, with a maximum capacity of 20,000 bushels per hour, and exhausting to the atmosphere.
- (14) One (1) enclosed storage bin fill conveyor, identified as Bin 35 Fill Conveyor, approved for constructed in 2011, with a maximum capacity of 20,000 bushels per hour, and exhausting to the atmosphere.
- (c) One (1) storage area, identified as EP-5, consisting of the following equipment:
 - (1) Two (2) storage bins, identified as Bin 10 and Bin 30, constructed in 2002, respectively, with a storage capacity of 111,000 bushels, and exhausting to the atmosphere.
 - (2) One (1) storage bin, identified as Bin 20, constructed in 2002, with a storage capacity of 24,000 bushels, and exhausting to the atmosphere.
 - (3) One (1) storage bin, identified as Bin 25, constructed in 2005, with a storage capacity of 450,000 bushels, and exhausting to the atmosphere.
 - (4) One (1) hopper bin, identified as Bin 15, constructed in 2005, with a storage capacity of 30,900 bushels, and exhausting to the atmosphere.
 - (5) One (1) storage bin, identified as Bin 26, constructed in 2009, with a storage capacity of 650,000 bushels, and exhausting to the atmosphere.
 - (6) One (1) storage bin, identified as Bin 35, approved for constructed in 2011, with a capacity of 1,040,000 bushels, and exhausting to the atmosphere.
- (d) One (1) barge shipping area, equipped with a spout, identified as EP-3, consisting of the following equipment:
 - (1) One (1) shipping conveyor, identified as River Hi Roller, constructed in 2002, with a maximum capacity of 30,000 bushels per hour, and exhausting to the atmosphere.

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- (2) One (1) barge conveyor, identified as River Belt, approved for construction in 2014, with a maximum capacity of 50,000 bushels per hour, and exhausting to the atmosphere.
- (3) One (1) barge loadout spout, identified as Barge Loadout Spout, constructed in 2002, with a maximum capacity of 50,000 bushels per hour, and exhausting to the atmosphere.
- (e) One (1) truck shipping area, equipped with a sock/sleeve, identified as EP-4, consisting of the following equipment:
 - (1) One (1) bin 20 sidedraw truck loadout, identified as Bin 20 Sidedraw Truck Loadout, constructed in 2002, with a maximum capacity of 8,000 bushels per hour, and exhausting to the atmosphere.
 - (2) One (1) leg spout truck loadout, identified as Leg Spout Truck Loadout, constructed in 2002, with a maximum capacity of 18,000 bushels per hour, and exhausting to the atmosphere.
 - (3) One (1) bin 15 sidedraw truck loadout, identified as Bin 15 Sidedraw Truck Loadout, constructed in 2005, with a maximum capacity of 8,000 bushels per hour, and exhausting to the atmosphere.
 - (4) One (1) bin 25 sidedraw truck loadout, identified as Bin 25 Sidedraw Truck Loadout, constructed in 2005, with a maximum capacity of 8,000 bushels per hour, and exhausting to the atmosphere.
 - (5) One (1) bin 10 sidedraw truck loadout, identified as Bin 10 Sidedraw Truck Loadout, constructed in 2002, capacity: with a maximum capacity of 8,000 bushels per hour, and exhausting to the atmosphere.
- (f) One (1) 41.6 million British thermal units (MMBtu) per hour natural gas-fired grain dryer, identified as EP-7, constructed in 2006, with a maximum capacity of 4,000 bushels of grain per hour, and exhausting to the atmosphere.
- (g) One (1) dryer conveying area consisting of the following equipment:
 - (1) One (1) conveyor, identified as Wet Drag, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
 - (2) One (1) conveyor, identified as Bottom Dry Drag, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
 - (3) One (1) conveyor, identified as Top Dry Drag, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
 - (4) One (1) conveyor, identified as Wet Leg, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
 - (5) One (1) conveyor, identified as Dry Leg, constructed in 2006, with a maximum capacity of 6,500 bushels per hour, and exhausting to the atmosphere.
- (h) Fugitive emissions from unpaved roads and parking lots. [326 IAC 6-5]

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

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

D.1.1 Particulate Matter Emission Limitation [326 IAC 2-2]

Pursuant to 326 IAC 2-2, the source, identified as ADM Grain Company, shall meet the following emission limits:

- (a) The existing stationary grain elevator shall be limited to a throughput of less than 35,000,000 bushels (1,050,000 tons) of grain per twelve (12) consecutive month period.
- (b) Particulate Matter (PM) emissions for each of the existing stationary grain elevator areas shall be limited as follows:

Emission Units	Limited Grain Throughput (tons/yr)	PM Emission Limit (lbs PM / ton)	Limited PM Emissions (tons/yr)
Drying	1,050,000	0.220	115.5
Receiving (*requires controls)	1,050,000	0.15	43.31
Shipping	1,050,000	0.086	45.15
Handling	1,050,000	0.061	32.03
Storage	1,050,000	0.025	13.13

Compliance with the above limits, and the use of controls (baffles) for the receiving area, combined with the potential to emit particulate matter from all other emission units at the source, shall limit particulate matter emissions from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 (PSD) not applicable.

D.1.2 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 table ~~on~~ based on the following equation:

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

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Allowable Emissions Under 326 IAC 6-3-2					
Emissions Unit Description	Maximum (bushels/hr) for each unit of that type	Maximum Process Weight (tons/hr) for each unit of that type	PM Emissions Before Control (lbs/hr)	326 IAC 6-3-2 Allowable PM Emissions (lbs/hr) for each unit of that type	Control required for Compliance? Yes/No
Dump #1	18,000	540	97.2	69.9	Yes
River Dump #2	30,000	900	162.0	76.2	Yes
River Dump #3	30,000	900	162.0	76.2	Yes
Dump #2	18,000	540	97.2	69.9	Yes
Pit 0	50,000	1,500	270.0	83.0	Yes
Dump #1 Drag Conveyor	18,000	540	32.9	69.9	No
Receiving Leg #1	18,000	540	32.9	69.9	No
Bin 10 Reclaim Conveyor	20,000	600	36.6	71.2	No
Bin 20 Reclaim	20,000	600	36.6	71.2	No
Bin 30 Reclaim	20,000	600	36.6	71.2	No
Bin 15 Reclaim	20,000	600	36.6	71.2	No
Bin 25 Reclaim	20,000	600	36.6	71.2	No
Bin 25 Fill Conveyor	18,000	540	32.9	69.9	No
Dump #2 Conveyor	18,000	540	32.9	69.9	No
Receiving Leg #2	18,000	540	32.9	69.9	No
Grain Distributor	18,000	540	32.9	69.9	No
Bin 26 Reclaim Conveyor	20,000	600	36.6	71.2	No
Bin 26 Fill Conveyor	18,000	540	32.9	69.9	No
Bin 35 Reclaim Conveyor	20,000	600	36.6	71.2	No
Bin 35 Fill Conveyor	18,000	540	32.9	69.9	No
Shipping Conveyor (River Hi Roller)	25,000	750	12.0	73.9	No
Barge Conveyor (River Belt)	50,000	1,500	24.0	83.0	No
Barge Loadout Spout	50,000	1,500	24.0	83.0	No
Bin 20 Sidedraw Truck	8,000	240	7.0	60.5	No
Leg Spout Truck Loadout	18,000	540	15.7	69.9	No
Bin 15 Sidedraw Truck	8,000	240	7.0	60.5	No
Bin 25 Sidedraw Truck	8,000	240	7.0	60.5	No
Bin 10 Sidedraw Truck	8,000	240	7.0	60.5	No
Grain Dryer	4,000	120	26.4	53.1	No
Wet Drag	6,500	195	11.9	58.2	No
Bottom Dry Drag	6,500	195	11.9	58.2	No
Top Dry	6,500	195	11.9	58.2	No
Wet Leg	6,500	195	11.9	58.2	No
Dry Leg	6,500	195	11.9	58.2	No

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and their control devices. 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.1.4 Particulate Control

In order to comply with Conditions D.1.1 and D.1.2, the baffles for particulate control shall be in operation and control PM emissions from each of the five (5) receiving pits, identified as Dump #1, River Dump #2, River Dump #3, Dump #2, and Pit #0 at all times that any of these units are in operation.

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Compliance Monitoring Requirements

D.1.5 Monitoring

To monitor the performance of the baffles, weekly inspections of the baffle panels shall be conducted to verify placement and configuration meet recommendations of the manufacturer. Section C- Response to Excursions or Exceedances shall be followed whenever a condition exists which should result in a response step. Section C - Response to Excursions or 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.

D.1.6 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1(a) and (b), the Permittee shall maintain monthly records of the grain throughput for the entire source, and for the grain throughput dried.
- (b) To document the compliance status with Condition D.1.5, the Permittee shall maintain a log of weekly inspections of the baffle panels.
- (c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.1.7 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1(a) shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.

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**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).

Company Name:	ADM Grain Company
Address:	609 N. State Road 66
City:	Rockport, Indiana 47635
Phone #:	(217) 424-5200
MSOP #:	M147-28763-00055

I hereby certify that ADM Grain Company is :

☐ still in operation.

☐ no longer in operation.

I hereby certify that ADM Grain Company is :

☐ in compliance with the requirements of
MSOP M147-28763-00055.

☐ not in compliance with the requirements of
MSOP M147-28763-00055.

Authorized Individual (typed):
Title:
Signature:
Date:

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.

Noncompliance:

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MALFUNCTION REPORT

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
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

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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
COMPLIANCE AND ENFORCEMENT BRANCH**

MSOP Quarterly Report

Source Name: ADM Grain Company
Source Address: 609 N. State Road 66, Rockport, Indiana 47635
MSOP No.: M147-28763-00055
Facilities: Entire Source
Parameter: Grain Throughput
Limit: Less than 35,000,000 bushels (1,050,000 tons) per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Grain Throughput (tons)	Grain Throughput (tons)	Grain Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Indiana Department of Environmental Management

Office of Air Quality

Technical Support Document (TSD) for a Significant Permit Revision to a Minor Source Operating Permit (MSOP)

Source Description and Location

Source Name:	ADM Grain Company
Source Location:	609 N. State Road 66, Rockport, IN 47635
County:	Spencer
SIC Code:	5153
Operation Permit No.:	M147-28763-00055
Operation Permit Issuance Date:	March 30, 2010
Significant Permit Revision No.:	147-34289-00055
Permit Reviewer:	APT

On March 10, 2014, the Office of Air Quality (OAQ) received an application from ADM Grain Company related to a modification to an existing stationary country grain elevator.

Existing Approvals

The source was issued MSOP Renewal No.: 147-34289-00055 on March 30, 2010. The source has since received the following approval: Notice-Only Change No.: 147-29914-00055, issued on February 17, 2011.

County Attainment Status

The source is located in Spencer County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. ¹
PM _{2.5}	Attainment effective October 27, 2011, for the annual PM _{2.5} standard for Ohio Township. Unclassifiable or attainment effective April 5, 2005, for the annual PM _{2.5} standard for the remainder of the county.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM _{2.5} standard.
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Unclassifiable or attainment effective December 31, 2011.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.	

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

- (b) $PM_{2.5}$
Spencer County has been classified as attainment for $PM_{2.5}$. Therefore, direct $PM_{2.5}$, SO_2 , and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) Other Criteria Pollutants
Spencer County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

- (a) The fugitive emissions of criteria pollutants, hazardous air pollutants, and greenhouse gases are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.
- (b) Since 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, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Status of the Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed revision, after consideration of all enforceable limits established in the effective permits:

This PTE table is from the Appendix A of Notice-Only Change No.: 147-29914-00055, issued on February 17, 2011.

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)*									
	PM	PM_{10}	$PM_{2.5}$	SO_2	NO_x	VOC	CO	GHGs as CO_2e^{**}	Total HAPs	Worst Single HAP
Grain Receiving	67.5	26.6	4.5	---	---	---	---	---	---	---
Grain Shipping	38.7	13.5	2.21	---	---	---	---	---	---	---
Headhouse and Grain Handling	27.45	15.3	2.61	---	---	---	---	---	---	---
Grain Drying	99	24.8	4.23	---	---	---	---	---	---	---
Grain storage	11.25	2.84	0.5	---	---	---	---	---	---	---
Natural Gas Combustion	0.35	1.38	1.38	0.11	18.22	1	15.3	not calculated	0.34	0.33 (Hexane)
Fugitive Emissions from Unpaved Roads	50.1	12.8	1.65	---	---	---	---	---	---	---
Total Limited PTE of Entire Source with Fugitives	294.35	96.67	17.07	0.11	18.22	1	15.3	not calculated	0.34	0.33 (Hexane)
Total Limited PTE of Entire Source without Fugitives	244.25	83.87	15.42	0.11	18.22	1	15.3	not calculated	0.34	0.33 (Hexane)
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	NA	NA	NA

negl. = negligible

*These emissions are based upon Appendix A of Notice-Only Change No.: 147-29914-00055

**The 100,000 CO_2e threshold represents the Title V and PSD subject-to-regulation thresholds for GHG in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

The Office of Air Quality (OAQ) has reviewed an application, submitted by ADM Grain Company on March 10, 2014, relating to an increase in source-wide throughput of grain, replacement of like emission units, and updates to the emission unit descriptions for permitted equipment.

Removed

- ## New

- (a) One (1) barge conveyor, identified as Barge Conveyor, constructed in 2002, with a maximum capacity of 25,000 bushels per hour, and exhausting to the atmosphere.
- (b) One receiving pit, identified as Pit 0, approved in 2014 for construction receiving a maximum capacity of 50,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.

There are no pending enforcement actions related to this revision.

See Appendix A of this TSD for detailed emission calculations.

The following table is used to determine the appropriate permit level under 326 IAC 2-6.1-6. This table reflects the PTE before controls of the proposed revision. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

	PTE of Proposed Revision (tons/year)									
Process/ Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NOx	VOC	CO	GHGs as CO _{2e}	Total HAPs	Worst Single HAP
Grain Receiving	13.50	4.43	0.75	----	----	---	---	-----	----	----
Grain Shipping	6.45	2.18	0.37	----	----	---	---	-----	----	----
Headhouse and Grain Handling	4.58	2.55	0.44	----	----	---	---	-----	----	----
Grain Drying	16.50	4.13	0.70	----	----	---	---	-----	----	----
Grain storage	1.88	0.47	0.08	----	----	---	---	-----	----	----
Total PTE of Proposed Revision	42.9	13.75	2.34	----	----	---	---	-----	----	----

Pursuant to 326 IAC 2-6.1-6(i)(1)(E), this MSOP is revised through Significant Permit Revision because the proposed revision is not an Administrative Amendment or Minor Permit Revision and the proposed revision involves a change in operation, with a potential to emit greater than or equal to twenty-five (25) tons per year of PM.

PTE of the Entire Source After Issuance of the MSOP Revision

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

Process/ Emission Unit	Potential To Emit of the Entire Source After Revision (tons/year)*									
	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	GHGs as CO _{2e} **	Total HAPs	Worst Single HAP
Grain Receiving***	67.5 37.8	26.6 12.4	4.5 2.1	---	---	---	---	---	---	---
Grain Shipping	38.7 45.15	13.5 15.23	2.24 2.57	---	---	---	---	---	---	---
Headhouse and Grain Handling	27.45 32.03	15.3 17.85	2.64 3.05	---	---	---	---	---	---	---
Grain Drying	99 115.5	24.8 28.88	4.23 4.94	---	---	---	---	---	---	---
Grain storage	11.25 13.13	2.84 3.31	0.5 0.6	---	---	---	---	---	---	---
Natural Gas Combustion	0.35 0.34	1.38 1.36	1.38 1.36	0.11	18.22 17.86	4 0.98	15.3 15.0	21,563.6	0.34	0.33 (Hexane) 0.32
Fugitive Emissions from Unpaved Roads	50.1	12.8	1.65	---	---	---	---	---	---	---
Total Limited PTE of Entire Source with Fugitives	294.35 299.5	96.67 91.76	17.07 16.24	0.11	18.22 17.86	4 0.98	15.3 15.0	21,563.6	0.34	0.33 (Hexane) 0.32
Total Limited PTE of Entire Source without Fugitives	244.25 249.45	83.87 79.01	15.42 14.59	0.11	18.22 17.86	4 0.98	15.3 15.0	21,563.6	0.34	0.33 (Hexane) 0.32
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	NA	NA	NA

negl. = negligible

*These pre-modification emissions are based upon Appendix A of Notice-Only Change No.: 147-29914-00055

**The 100,000 CO_{2e} threshold represents the Title V and PSD subject-to-regulation thresholds for GHG in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

***Pursuant to 326 IAC 2-2 (PSD), the particulate matter emissions from receiving shall be less than 0.15 pounds of particulate matter per ton of grain received and the baffles shall be used as control at all times with a control efficiency of 45%. Note: Values have decreased because previously calculated emissions did not include controls. These units are now required to use controls in order to maintain minor status for PSD.

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this MSOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	Potential To Emit of the Entire Source After Revision (tons/year)*									
	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO	GHGs as CO ₂ e**	Total HAPs	Worst Single HAP
Grain Receiving***	37.8	12.4	2.1	---	---	---	---	---	---	---
Grain Shipping	45.15	15.23	2.57	---	---	---	---	---	---	---
Headhouse and Grain Handling	32.03	17.85	3.05	---	---	---	---	---	---	---
Grain Drying	115.5	28.88	4.94	---	---	---	---	---	---	---
Grain storage	13.13	3.31	0.6	---	---	---	---	---	---	---
Natural Gas Combustion	0.34	1.36	1.36	0.11	17.86	0.98	15.0	21,563.6	0.34	0.32 (Hexane)
Fugitive Emissions from Unpaved Roads	50.1	12.8	1.65	---	---	---	---	---	---	---
Total Limited PTE of Entire Source with Fugitives	299.5	91.76	16.24	0.11	17.86	0.98	15.0	21,563.6	0.34	0.32 (Hexane)
Total Limited PTE of Entire Source without Fugitives	249.45	79.01	14.59	0.11	17.86	0.98	15.0	21,563.6	0.34	0.32 (Hexane)
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	NA	NA	NA
negl. = negligible *These pre-modification emissions are based upon Appendix A of Notice-Only Change No.: 147-29914-00055 **The 100,000 CO ₂ e threshold represents the Title V and PSD subject-to-regulation thresholds for GHG in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD. ***Pursuant to 326 IAC 2-2 (PSD), the particulate matter emissions from receiving shall be less than 0.15 pounds of particulate matter per ton of grain received and the baffles shall be used as control at all times with a control efficiency of 45%.										

MSOP Status

- (a) This revision to an existing Title V minor stationary source will not change the minor status, because the uncontrolled/unlimited potential to emit criteria pollutants from the entire source will still be less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-6.1 (MSOP).
- (b) This revision will not change the minor status of the source, because the uncontrolled/unlimited potential to emit of any single HAP will still be less than ten (10) tons per year and the PTE of a combination of HAPs will still be less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.
- (c) This revision will not change the minor status of the source, because the uncontrolled/unlimited potential to emit greenhouse gases (GHG) will still be less than the Title V subject-to-regulation threshold of one hundred thousand (100,000) tons of CO₂ equivalent (CO₂e) emissions per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Grain Elevators, 40 CFR 60.300, Subpart DD, are not included in the permit for this country grain elevator because it has a permanent storage capacity less than 2.5 million U.S. bushels. The maximum storage capacity of this country grain elevator is 2,429,608 U.S. bushels.
- (b) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

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

Compliance Assurance Monitoring (CAM)

- (d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the 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.

State Rule Applicability Determination

The following state rules are applicable to the proposed revision:

326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))

MSOP applicability is discussed under the Permit Level Determination – MSOP section above.

326 IAC 2-2 (Prevention of Significant Deterioration (PSD))

- (a) This source has the potential to emit pollutant PM greater than 250 tons per year, and this source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1). In order to render the requirements of 326 IAC 2-2 (PSD) not applicable the source, identified as ADM Grain Company, shall meet the following emission limits:
 - (1) The existing stationary grain elevator shall be limited to a throughput of less than 35,000,000 bushels (1,050,000 tons) of grain per twelve (12) consecutive month period.
 - (2) Particulate Matter (PM) emissions for each of the existing stationary grain elevator areas shall be limited as follows:

Emission Units	Limited Grain Throughput (tons/yr)	PM Emission Limit (lbs PM / ton)	Limited PM Emissions (tons/yr)
Drying	1,050,000	0.220	115.5
Receiving (*requires controls)	1,050,000	0.15	43.31
Shipping	1,050,000	0.086	45.15
Handling	1,050,000	0.061	32.03
Storage	1,050,000	0.025	13.13

Compliance with the above limits, and the use of controls (baffles) for the receiving area, combined with the potential to emit particulate matter from all other emission units at the source, shall limit particulate matter emissions from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 (PSD) not applicable.

- (b) This modification to an existing PSD minor stationary source will not change the PSD minor status, because:
- (1) The potential to emit of all PSD regulated pollutants, excluding GHG, from the entire source will continue to be less than the PSD major source threshold levels.
 - (2) The GHG emissions from the entire source will continue to be less than one hundred thousand (100,000) tons of CO₂ equivalent (CO₂e) emissions per year

Therefore, pursuant to 326 IAC 2-2, the GHG emissions are not subject to regulation and the PSD requirements do not apply. See PTE of the Entire Source After Issuance of the MSOP Revision Section above.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

This source is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the entire source is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 5-1 (Opacity Limitations)

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

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

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

The source is subject to the requirements of 326 IAC 6-4, because the unpaved roads have the potential to emit 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 subject to the requirements of 326 IAC 6-5, because the unpaved roads have potential fugitive particulate emissions greater than 25 tons per year. Pursuant to 326 IAC 6-5, fugitive particulate matter emissions shall be controlled according to the Fugitive Dust Control Plan, submitted on November 12, 2008, which is included as Attachment A to the permit.

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.

State Rule Applicability – Individual Facilities

Grain Elevator Operations

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

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from each of the listed emission units 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

Allowable Emissions Under 326 IAC 6-3-2					
Emissions Unit Description	Maximum (bushels/hr) for each unit of that type	Maximum Process Weight (tons/hr) for each unit of that type	PM Emissions Before Control (lbs/hr)	326 IAC 6-3-2 Allowable PM Emissions (lbs/hr) for each unit of that type	Control required for Compliance? Yes/No
Dump #1	18,000	540	97.2	69.9	Yes
River Dump #2	25,000	750	135.0	73.9	Yes
River Dump #3	25,000	750	135.0	73.9	Yes
Dump #2	18,000	540	97.2	69.9	Yes
Pit 0	50,000	1,500	270.0	83.0	Yes
Dump #1 Drag Conveyor	18,000	540	32.9	69.9	No
Receiving Leg #1	18,000	540	32.9	69.9	No
Bin 10 Reclaim Conveyor	20,000	600	36.6	71.2	No
Bin 20 Reclaim	20,000	600	36.6	71.2	No
Bin 30 Reclaim	20,000	600	36.6	71.2	No
Bin 15 Reclaim	20,000	600	36.6	71.2	No
Bin 25 Reclaim	20,000	600	36.6	71.2	No
Bin 25 Fill Conveyor	18,000	540	32.9	69.9	No
Dump #2 Conveyor	18,000	540	32.9	69.9	No
Receiving Leg #2	18,000	540	32.9	69.9	No
Grain Distributor	18,000	540	32.9	69.9	No
Bin 26 Reclaim Conveyor	20,000	600	36.6	71.2	No
Bin 26 Fill Conveyor	18,000	540	32.9	69.9	No
Bin 35 Reclaim Conveyor	20,000	600	36.6	71.2	No
Bin 35 Fill Conveyor	18,000	540	32.9	69.9	No
Shipping Conveyor (River Hi Roller)	25,000	750	12.0	73.9	No
Barge Conveyor (River Belt)	50,000	1,500	24.0	83.0	No
Barge Loadout Spout	25,000	750	12.0	73.9	No
Bin 20 Sidedraw Truck	6,000	180	5.2	57.4	No
Leg Spout Truck Loadout	18,000	540	15.7	69.9	No
Bin 15 Sidedraw Truck	6,000	180	5.2	57.4	No
Bin 25 Sidedraw Truck	6,000	180	5.2	57.4	No
Bin 10 Sidedraw Truck	6,000	180	5.2	57.4	No
Grain Dryer	4,000	120	26.4	53.1	No
Wet Drag	6,500	195	11.9	58.2	No
Bottom Dry Drag	6,500	195	11.9	58.2	No
Top Dry Drag	6,500	195	11.9	58.2	No
Wet Leg	6,500	195	11.9	58.2	No
Dry Leg	6,500	195	11.9	58.2	No

In order to comply with 326 IAC 6-3 the baffles for particulate control shall be in operation and control PM emissions from each of the five (5) receiving pits, identified as Dump #1, River Dump #2, River Dump #3, Dump #2, and Pit #0 at all times that any of these units are in operation.

Each of the other evaluated units is able to comply with the emission limitations established by 326 IAC 6-3-2 without the use of a control device.

Compliance Determination, Monitoring and Testing Requirements

The existing compliance requirements will not change as a result of this revision. The source shall continue to comply with the applicable requirements and permit conditions as contained in MSOP Renewal No.: 147-34289-00055 on March 30, 2010.

Proposed Changes

The following changes listed below are due to the proposed revision. Deleted language appears as ~~strike through~~ text and new language appears as **bold** text:

Revision No.: 1: The Emission Unit descriptions have been updated throughout the permit to reflect the removed unit, the new units, and capacities as follows:

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) truck receiving operation, identified as EP-1, consisting of the following equipment:

* * *

- (2) One (1) receiving pit, identified as River Dump #2, constructed in 2002, receiving a maximum capacity of ~~25,000~~ **30,000** bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
- (3) One (1) receiving pit, identified as River Dump #3, constructed in 2002, receiving a maximum capacity of ~~25,000~~ **30,000** bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.
- (5) **One receiving pit, identified as Pit 0, approved in 2014 for construction, receiving a maximum capacity of 50,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.**

* * *

- (d) One (1) barge shipping area, equipped with a spout, identified as EP-3, consisting of the following equipment:

- (1) One (1) shipping conveyor, identified as ~~Shipping Conveyor~~ **River Hi Roller**, constructed in 2002, with a maximum capacity of ~~25,000~~ **30,000** bushels per hour, and exhausting to the atmosphere.
- ~~(2) One (1) barge conveyor, identified as Barge Conveyor, constructed in 2002, with a maximum capacity of 25,000 bushels per hour, and exhausting to the atmosphere.~~
- (2) **One (1) barge conveyor, identified as River Belt, approved for construction in 2014, with a maximum capacity of 50,000 bushels per hour, and exhausting to the atmosphere.**
- (3) One (1) barge loadout **spout**, identified as Barge Loadout **Spout**, constructed in 2002, with a maximum capacity of ~~25,000~~ **50,000** bushels per hour, and exhausting to the atmosphere.

* * *

- (e) One (1) truck shipping area, equipped with a sock/sleeve, identified as EP-4, consisting of the following equipment:

- (1) One (1) bin 20 sidedraw truck loadout, identified as Bin 20 Sidedraw Truck Loadout, constructed in 2002, with a maximum capacity of ~~6,000~~ **8,000** bushels per hour, and exhausting to the atmosphere.

* * *

- (3) One (1) bin 15 sidedraw truck loadout, identified as Bin 15 Sidedraw Truck Loadout, constructed in 2005, with a maximum capacity of ~~6,000~~ **8,000** bushels per hour, and exhausting to the atmosphere.

- (4) One (1) bin 25 sidedraw truck loadout, identified as Bin 25 Sidedraw Truck Loadout, constructed in 2005, with a maximum capacity of ~~6,000~~ **8,000** bushels per hour, and exhausting to the atmosphere.

- (5) One (1) bin 10 sidedraw truck loadout, identified as Bin 10 Sidedraw Truck Loadout, constructed in 2002, capacity: with a maximum capacity of ~~6,000~~ **8,000** bushels per hour, and exhausting to the atmosphere.

* * *

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) truck receiving operation, identified as EP-1, consisting of the following equipment:

* * *

- (2) One (1) receiving pit, identified as River Dump #2, constructed in 2002, receiving a maximum capacity of ~~25,000~~ **30,000** bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.

- (3) One (1) receiving pit, identified as River Dump #3, constructed in 2002, receiving a maximum capacity of ~~25,000~~ **30,000** bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.

- (5) **One receiving pit, identified as Pit 0, approved in 2014 for construction, receiving a maximum capacity of 50,000 bushels of grain per hour, with particulate emissions controlled by baffles, and exhausting to the atmosphere.**

* * *

- (d) One (1) barge shipping area, equipped with a spout, identified as EP-3, consisting of the following equipment:

- (1) One (1) shipping conveyor, identified as ~~Shipping Conveyor~~ **River Hi Roller**, constructed in 2002, with a maximum capacity of ~~25,000~~ **30,000** bushels per hour, and exhausting to the atmosphere.

- (2) ~~One (1) barge conveyor, identified as Barge Conveyor, constructed in 2002, with a maximum capacity of 25,000 bushels per hour, and exhausting to the atmosphere.~~

- (2) **One (1) barge conveyor, identified as River Belt, approved for**

	<p>construction in 2014, with a maximum capacity of 50,000 bushels per hour, and exhausting to the atmosphere.</p> <p>(3) One (1) barge loadout spout, identified as Barge Loadout Spout, constructed in 2002, with a maximum capacity of 25,000 50,000 bushels per hour, and exhausting to the atmosphere.</p> <p>* * *</p> <p>(e) One (1) truck shipping area, equipped with a sock/sleeve, identified as EP-4, consisting of the following equipment:</p> <p>(1) One (1) bin 20 sidedraw truck loadout, identified as Bin 20 Sidedraw Truck Loadout, constructed in 2002, with a maximum capacity of 6,000 8,000 bushels per hour, and exhausting to the atmosphere.</p> <p>* * *</p> <p>(3) One (1) bin 15 sidedraw truck loadout, identified as Bin 15 Sidedraw Truck Loadout, constructed in 2005, with a maximum capacity of 6,000 8,000 bushels per hour, and exhausting to the atmosphere.</p> <p>(4) One (1) bin 25 sidedraw truck loadout, identified as Bin 25 Sidedraw Truck Loadout, constructed in 2005, with a maximum capacity of 6,000 8,000 bushels per hour, and exhausting to the atmosphere.</p> <p>(5) One (1) bin 10 sidedraw truck loadout, identified as Bin 10 Sidedraw Truck Loadout, constructed in 2002, capacity: with a maximum capacity of 6,000 8,000 bushels per hour, and exhausting to the atmosphere.</p> <p>* * *</p> <p>(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)</p>
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Revision No.: 2: The emission limitations and compliance determination requirements of section D.1 have been updated to reflect the new throughput limit for the source and updated particulate emission limits and compliance measures as follows:

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

D.1.1 Particulate Matter Emission Limitation [326 IAC 2-2]

Pursuant to 326 IAC 2-2, the source, identified as ADM Grain Company, shall meet the following emission limits:

- (a) ~~The existing stationary grain elevator shall be limited to a throughput of less than 30,000,000 bushels (900,000 tons) of grain per 12 consecutive month period.~~
- (b) ~~Particulate Matter (PM) emissions for each of the existing stationary grain elevator shall be limited as follows:~~

Emission Units	Limited Grain Throughput (tons/yr)	PM Emission Limit (lbs PM / ton)	Limited PM Emissions (tons/yr)
Drying	900,000	0.220	82.50
Receiving	900,000	0.15	67.50
Shipping	900,000	0.086	38.70
Handling	900,000	0.064	27.45

Storage	900,000	0.025	11.25
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- (a) The existing stationary grain elevator shall be limited to a throughput of less than 35,000,000 bushels (1,050,000 tons) of grain per twelve (12) consecutive month period.
- (b) Particulate Matter (PM) emissions for each of the existing stationary grain elevator areas shall be limited as follows:

Emission Units	Limited Grain Throughput (tons/yr)	PM Emission Limit (lbs PM / ton)	Limited PM Emissions (tons/yr)
Drying	1,050,000	0.220	115.5
Receiving (*requires controls)	1,050,000	0.15	43.31
Shipping	1,050,000	0.086	45.15
Handling	1,050,000	0.061	32.03
Storage	1,050,000	0.025	13.13

Compliance with the above limits, and the use of controls (baffles) for the receiving area, combined with the potential to emit particulate matter from all other emission units at the source, shall limit particulate matter emissions from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 (PSD) not applicable.

D.1.2 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** table on the next page based on the following **equation**:

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 Units	Maximum Process Weight (tons/hour) for each unit of that type	326 IAC 6-3 Allowable Emission Rate (lbs/hr) for each unit of that type	Maximum Particulate Emissions before control (lb/hour)
Dump #1	540	69.9	97.2
River Dump #2	750	73.9	135.0
River Dump #3	750	73.9	135.0
Dump #2	540	69.9	97.2
Dump #1 Drag Conveyor	540	69.9	32.9
Receiving Leg #1	540	69.9	32.9
Bin 10 Reclaim Conveyor	600	71.2	36.6
Bin 20 Reclaim	600	71.2	36.6
Bin 30 Reclaim	600	71.2	36.6
Bin 15 Reclaim	600	71.2	36.6
Bin 25 Reclaim	600	71.2	36.6
Bin 25 Fill Conveyor	540	69.9	32.9
Bin 35 Reclaim Conveyor	600	71.2	36.6
Bin 35 Fill Conveyor	600	71.2	36.6
Dump #2 Conveyor	540	69.9	32.9
Receiving Leg #2	540	69.9	32.9
Grain Distributor	540	69.9	32.9
Bin 26 Reclaim Conveyor	600	71.2	36.6
Bin 26 Fill Conveyor	540	69.9	32.9
Shipping Conveyor	750	73.9	12.0
Barge Conveyor	750	73.9	12.0
Barge Loadout	750	73.9	12.0
Bin 20 Sidedraw Truck	180	57.4	5.2
Leg Spout Truck Loadout	540	69.9	15.7
Bin 15 Sidedraw Truck	180	57.4	5.2
Bin 25 Sidedraw Truck	180	57.4	5.2
Bin 10 Sidedraw Truck	180	57.4	5.2
Grain Dryer	120	53.1	26.4
Wet Drag	195	58.2	11.9
Bottom Dry Drag	195	58.2	11.9
Top Dry Drag	195	58.2	11.9
Wet Leg	195	58.2	11.9
Dry Leg	195	58.2	11.9

Allowable Emissions Under 326 IAC 6-3-2					
Emissions Unit Description	Maximum (bushels/hr) for each unit of that type	Maximum Process Weight (tons/hr) for each unit of that type	PM Emissions Before Control (lbs/hr)	326 IAC 6-3-2 Allowable PM Emissions (lbs/hr) for each unit of that type	Control required for Compliance? Yes/No
Dump #1	18,000	540	97.2	69.9	Yes
River Dump #2	30,000	900	162.0	76.2	Yes
River Dump #3	30,000	900	162.0	76.2	Yes
Dump #2	18,000	540	97.2	69.9	Yes
Pit 0	50,000	1,500	270.0	83.0	Yes
Dump #1 Drag Conveyor	18,000	540	32.9	69.9	No
Receiving Leg #1	18,000	540	32.9	69.9	No
Bin 10 Reclaim Conveyor	20,000	600	36.6	71.2	No
Bin 20 Reclaim	20,000	600	36.6	71.2	No
Bin 30 Reclaim	20,000	600	36.6	71.2	No
Bin 15 Reclaim	20,000	600	36.6	71.2	No
Bin 25 Reclaim	20,000	600	36.6	71.2	No
Bin 25 Fill Conveyor	18,000	540	32.9	69.9	No
Dump #2 Conveyor	18,000	540	32.9	69.9	No
Receiving Leg #2	18,000	540	32.9	69.9	No
Grain Distributor	18,000	540	32.9	69.9	No
Bin 26 Reclaim Conveyor	20,000	600	36.6	71.2	No
Bin 26 Fill Conveyor	18,000	540	32.9	69.9	No
Bin 35 Reclaim Conveyor	20,000	600	36.6	71.2	No
Bin 35 Fill Conveyor	18,000	540	32.9	69.9	No
Shipping Conveyor (River Hi Roller)	25,000	750	12.0	73.9	No
Barge Conveyor (River Belt)	50,000	1,500	24.0	83.0	No
Barge Loadout Spout	50,000	1,500	24.0	83.0	No
Bin 20 Sidedraw Truck	8,000	240	7.0	60.5	No
Leg Spout Truck Loadout	18,000	540	15.7	69.9	No
Bin 15 Sidedraw Truck	8,000	240	7.0	60.5	No
Bin 25 Sidedraw Truck	8,000	240	7.0	60.5	No
Bin 10 Sidedraw Truck	8,000	240	7.0	60.5	No
Grain Dryer	4,000	120	26.4	53.1	No
Wet Drag	6,500	195	11.9	58.2	No
Bottom Dry Drag	6,500	195	11.9	58.2	No
Top Dry Drag	6,500	195	11.9	58.2	No
Wet Leg	6,500	195	11.9	58.2	No
Dry Leg	6,500	195	11.9	58.2	No

* * *

Compliance Determination Requirements

D.1.4 Particulate Control

In order to comply with Conditions D.1.1 and D.1.2, the baffles for particulate control shall be in operation and control PM emissions from each of the **five (5) receiving pits, identified as Dump #1, River Dump #2, River Dump #3, Dump #2, and Pit #0 at all times that any of these units are in operation.** ~~three (3) receiving pits, identified as Dump #1, River Dump #2, and River Dump #3, and the one (1) receiving pit, identified as Dump #2, at all times that the three (3) receiving pits, identified as Dump #1, River Dump #2, and River Dump #3, and the one (1) receiving pit, identified as Dump #2, are in operation.~~

* * *

Revision No.: 3: The MSOP Quarterly Report form has been updated to reflect the new throughput limit for the source as follows:

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

MSOP Quarterly Report

Source Name: ADM Grain Company
Source Address: 609 N. State Road 66, Rockport, Indiana 47635
~~Mailing Address: 4666 Faires Parkway, Decatur, IL 62526~~
MSOP No.: M147-28763-00055
Facilities: Entire Source
Parameter: Grain Throughput
Limit: Less than ~~30,000,000~~ **35,000,000** bushels (~~900,000~~ **1,050,000** tons) per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Additional Changes

IDEM, OAQ made additional revisions to the permit as described below in order to update the language to match the most current version of the applicable rule, to eliminate redundancy within the permit, and to provide clarification regarding the requirements of these conditions.

OAQ Change 1:

A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary country grain elevator.

Source Address:	609 N. State Road 66, Rockport, Indiana 47635
General Source Phone Number:	(217) 424-5200
SIC Code:	5153
County Location:	Spencer
Source Location Status:	Nonattainment for PM2.5 standard Attainment for all other 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

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on March 10, 2014.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed MSOP Significant Permit Revision No.: 147-34289-00055. The staff recommends to the Commissioner that this MSOP Significant Permit Revision be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Angela Taylor 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) 234-5329 or toll free at 1-800-451-6027 extension 4-5329.

- (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 Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations
Summary**

Company Name: ADM Grain Company
Address City IN Zip: 609 N. State Road 66, Rockport, IN 47635
SIC Code: 5153
Operating Permit Number: M147-28763-00055
Operating Permit Issuance: 3/30/2010
Significant Permit Revision No.: 147-34289-00055
Reviewer: APT
Application Date: 3/10/2014

Page 1 of 6 TSD App A

Status of source prior to Modification - Uncontrolled Potential Emissions (tons/year)										
Emissions Process / Unit	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	CO2e	Worst case single HAP (Hexane)	Total HAPs
Natural Gas Combustion	0.34	1.36	1.36	0.11	17.86	0.98	15.01	21,564	0.32	0.34
Grain Receiving	81.00	26.55	4.50	----	----	----	----	----	----	----
Grain Shipping	38.70	13.05	2.21	----	----	----	----	----	----	----
Headhouse and Grain Handling	27.45	15.30	2.61	----	----	----	----	----	----	----
Grain Drying	99.00	24.75	4.23	----	----	----	----	----	----	----
Grain storage	11.25	2.84	0.50	----	----	----	----	----	----	----
Fugitive Emissions from Unpaved Roads	50.06	12.76	1.65	----	----	----	----	----	----	----
TOTAL - Non-Fugitive	257.7	83.8	15.4	0.1	17.9	1.0	15.0	21563.6	0.3	0.3
TOTAL - Fugitive and non-fugitive	307.80	96.60	17.05	0.11	17.86	0.98	15.01	21563.62	0.32	0.34

Note 1: Total emissions based on a maximum throughput equal to or less than 30,000,000 bushels/grain per year (900,000 tons per year).

Status of source prior to Modification - Limited Potential Emissions (tons/year)										
Emissions Process / Unit	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	CO2e	Worst case single HAP (Hexane)	Total HAPs
Natural Gas Combustion	0.34	1.36	1.36	0.11	17.86	0.98	15.01	21563.62	0.32	0.34
Grain Receiving	67.50	26.55	4.50	----	----	----	----	----	----	----
Grain Shipping	38.70	13.05	2.21	----	----	----	----	----	----	----
Headhouse and Grain Handling	27.45	15.30	2.61	----	----	----	----	----	----	----
Grain Drying	99.00	24.75	4.23	----	----	----	----	----	----	----
Grain storage	11.25	2.84	0.50	----	----	----	----	----	----	----
Fugitive Emissions from Unpaved Roads	50.06	12.76	1.65	----	----	----	----	----	----	----
TOTAL - Non-Fugitive	244.2	83.8	15.4	0.1	17.9	1.0	15.0	21563.6	0.3	0.3
TOTAL - Fugitive and non-fugitive	294.30	96.60	17.05	0.11	17.86	0.98	15.01	21563.62	0.32	0.34

Note 2: Pursuant to 326 IAC 2-2, the particulate matter emissions from receiving shall be less than 0.15 pounds of particulate matter per ton of grain received.

Potential increase due to modification

Potential to Emit of the Modification (tons/year)										
Emissions Process / Unit	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	CO2e	Worst case single HAP (Hexane)	Total HAPs
Natural Gas Combustion	No change	No change	No change	No change	No change	No change	No change	No change	No change	No change
Grain Receiving	13.50	4.43	0.75	----	----	----	----	----	----	----
Grain Shipping	6.45	2.18	0.37	----	----	----	----	----	----	----
Headhouse and Grain Handling	4.58	2.55	0.44	----	----	----	----	----	----	----
Grain Drying	16.50	4.13	0.70	----	----	----	----	----	----	----
Grain storage	1.88	0.47	0.08	----	----	----	----	----	----	----
Fugitive Emissions from Unpaved Roads	No change	No change	No change	----	----	----	----	----	----	----
TOTAL - Non-Fugitive	42.90	13.75	2.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Significant Permit Revision Threshold	> or = 25	> or = 25	> or = 25	> or = 25	> or = 25	> or = 25	> or = 100	> or = 100,000	> or = 10	> or = 25
Applicability	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO

Potential to Emit of the Source after Modification (tons/year)										
Emissions Process / Unit	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	CO2e	Worst case single HAP (Hexane)	Total HAPs
Natural Gas Combustion	0.34	1.36	1.36	0.11	17.86	0.98	15.01	21,563.62	0.32	0.34
Grain Receiving	94.50	30.98	5.25	----	----	----	----	----	----	----
Grain Shipping	45.15	15.23	2.57	----	----	----	----	----	----	----
Headhouse and Grain Handling	32.03	17.85	3.05	----	----	----	----	----	----	----
Grain Drying	115.50	28.88	4.94	----	----	----	----	----	----	----
Grain storage	13.13	3.31	0.58	----	----	----	----	----	----	----
Fugitive Emissions from Unpaved Roads	50.06	12.76	1.65	----	----	----	----	----	----	----
TOTAL - Non-Fugitive	300.64	97.59	17.74	0.11	17.86	0.98	15.01	21563.62	0.32	0.34
TOTAL - Fugitive and non-fugitive	350.70	110.35	19.39	0.11	17.86	0.98	15.01	21563.62	0.32	0.34

Note 2: Pursuant to 326 IAC 2-2, the particulate matter emissions from receiving shall be less than 0.15 pounds of particulate matter per ton of grain received.

Limited and Controlled Potential to Emit of the Source after Modification (tons/year)										
Emissions Process / Unit	PM	PM10	PM2.5	SO ₂	NO _x	VOC	CO	CO2e	Worst case single HAP (Hexane)	Total HAPs
Natural Gas Combustion	0.34	1.36	1.36	0.11	17.86	0.98	15.01	21,563.62	0.32	0.34
Grain Receiving*	43.31	12.39	2.10	----	----	----	----	----	----	----
Grain Shipping	45.15	15.23	2.57	----	----	----	----	----	----	----
Headhouse and Grain Handling	32.03	17.85	3.05	----	----	----	----	----	----	----
Grain Drying	115.50	28.88	4.94	----	----	----	----	----	----	----
Grain storage	13.13	3.31	0.58	----	----	----	----	----	----	----
Fugitive Emissions from Unpaved Roads	50.06	12.76	1.65	----	----	----	----	----	----	----
TOTAL - Non-Fugitive	249.45	79.01	14.59	0.11	17.86	0.98	15.01	21563.62	0.32	0.34
TOTAL - Fugitive and non-fugitive	299.51	91.76	16.24	0.11	17.86	0.98	15.01	21563.62	0.32	0.34

Note 2: Pursuant to 326 IAC 2-2, the particulate matter emissions from receiving shall be less than 0.15 pounds of particulate matter per ton of grain received.

Appendix A: Emissions Calculations
Grain Elevator - Premodification

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Company Name: ADM Grain Company
Address City IN Zip: 609 N. State Road 66, Rockport, IN 47635
SIC Code: 5153
Operating Permit Number: M147-28763-00055
Operating Permit Issuance: 3/30/2010
Significant Permit Revision No.: 147-34289-00055
Reviewer: APT
Application Date: 3/10/2014

Grain	bushels/year	¹ lbs / bushel	² Grain Throughput (tons/year)
Grain	30,000,000	60	900,000

Note 1: Assumes 60 lb/bushel for Wheat and Soybeans and 56 lb/bushel for corn; therefore, 60 lb/bushel was used to calculate the maximum PTE.

Note 2: Emissions based on a limited throughput equal to or less than 30,000,000 bushels/grain per year (900,000 tons per year) for receiving (by strait truck and hopper truck), for shipping (by truck and barge), for headhouse and grain handling, and for storage.

Unloading/Receiving					
³ Straight Truck (lb/ton)			³ Hopper Truck		
PM	PM-10	PM2.5	PM	PM-10	PM2.5
0.18	0.059	0.01	0.035	0.0078	0.0013

Unloading/ Receiving	PM	PM10	PM2.5
Straight Truck	81.000	26.550	4.500
Limited Truck	67.500	N/A	N/A
Hopper Truck	15.750	3.510	0.585
Total uncontrolled	81.000	26.550	4.500
⁴ Controlled	32.400	10.620	1.800

Note 3: Assumes that receiving can be done by both straight truck and hopper truck.

Note 4: 60% control efficiency due to baffles in the truck unloading.

Note 5: Pursuant to 326 IAC 2-2, the particulate matter emissions from receiving shall be less than 0.15 pounds of particulate matter per ton of grain received. Compliance with the above limit, combined with the potential to emit particulate matter from all other emission units at the source, shall limit particulate matter emissions from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 (PSD) not applicable. In order for the source to comply with the 0.15 lbs/particulate per ton of grain, the baffles for particulate control shall be in operation and control emissions from each of the three (3) receiving pits, identified as Dump #1, River Dump #2, and River Dump #3, and the one (1) receiving pit, identified as Dump #2, at all times that three (3) receiving pits, identified as Dump #1, River Dump #2, and River Dump #3, and the one (1) receiving pit, identified as Dump #2, are in operation.

⁶ Shipping					
Truck (lb/ton)			Barge		
PM	PM-10	PM2.5	PM	PM-10	PM2.5
0.086	0.029	0.0049	0.016	0.004	0.00055

Shipping	PM	PM10	PM2.5
Straight Truck	38.700	13.050	2.205
Barge	7.200	1.800	0.248
Total uncontrolled	38.700	13.050	2.205

Note 6: Assumes that shipping can be done by both straight truck and barge

Note 7: The AP-42 emission factor for barge shipping was determined with use of spouts.

Methodology

Emission factors are from AP 42 Table 9.9.1-1 Particulate Emission Factors for Grain Elevators (3/03)

Potential Emissions (ton/yr) = Throughput (ton/yr) * Emission factor (lb/ton) / 2000 (lbs/ton)

Controlled Potential Emissions (ton/yr) = Throughput (ton/yr) * Emission factor (lb/ton) / 2000 (lbs/ton) * (1-Control Efficiency)

Drying		
PM	PM-10	PM2.5
0.22	0.055	0.0094

Drying	PM	PM10	PM2.5
Total uncontrolled	99.000	24.750	4.230

Headhouse and Grain Handling		
PM	PM-10	PM2.5
0.061	0.034	0.0058

	PM	PM10	PM2.5
Total uncontrolled	27.450	15.300	2.610
⁸ Controlled (90%)	2.745	1.530	0.261

Note 8: All the conveyors are completely enclosed, but do not vent to a control device. According to the Air Pollution Engineering Manual (Buonicore and Davis, 1992), enclosure of material transfer points and storage piles can result in particulate emission reductions ranging from 70 to essentially 100 percent control, depending on the type of enclosure (partial of full), the type of operation, and whether or not the enclosure is vent is routed to a control device such as a baghouse. In order to be conservative, the control efficiency for handling is estimated at 90%.

Storage		
PM	PM-10	PM2.5
0.025	0.0063	0.0011

storage	PM	PM10	PM2.5
uncontrolled	11.250	2.835	0.495

**Appendix A: Emissions Calculations
Grain Elevator - Post Modification**

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Company Name: ADM Grain Company
Address City IN Zip: 609 N. State Road 66, Rockport, IN 47635
SIC Code: 5153
Operating Permit Number: M147-28763-00055
Operating Permit Issuance: 3/30/2010
Significant Permit Revision No.: 147-34289-00055
Reviewer: APT
Application Date: 3/10/2014

Grain	bushels/year	¹ lbs / bushel	Grain Throughput (tons/year)
Grain	35,000,000	60	1,050,000

Note 1: Assumes 60 lb/bushel for Wheat and Soybeans and 56 lb/bushel for corn; therefore, 60 lb/bushel was used to calculate the maximum PTE.

Unloading/Receiving					
³ Straight Truck (lb/ton)			³ Hopper Truck		
PM	PM-10	PM2.5	PM	PM-10	PM2.5
0.18	0.059	0.01	0.035	0.0078	0.0013

Unloading/ Receiving	PM	PM10	PM2.5
Straight Truck	94.500	30.975	5.250
Hopper Truck	18.375	4.095	0.683
Total uncontrolled	94.500	30.975	5.250
⁴ Controlled	37.800	12.390	2.100

PM= 0.15 ⁵	Limited/controlled Truck	43.313	N/A	N/A
-----------------------	--------------------------	--------	-----	-----

Note 3: Assumes that receiving can be done by both straight truck and hopper truck.

Note 4: 60% control efficiency due to baffles in the truck unloading.

Note 5: Pursuant to 326 IAC 2-2, the particulate matter emissions from receiving shall be less than 0.15 pounds of particulate matter per ton of grain received. Compliance with the above limit, combined with the potential to emit particulate matter from all other emission units at the source, shall limit particulate matter emissions from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 (PSD) not applicable. In order for the source to comply with the 0.15 lbs/particulate per ton of grain, the baffles for particulate control shall be in operation and control emissions from each of the three (3) receiving pits, identified as Dump #1, River Dump #2, and River Dump #3, and the one (1) receiving pit, identified as Dump #2, at all times that three (3) receiving pits, identified as Dump #1, River Dump #2, and River Dump #3, and the one (1) receiving pit, identified as Dump #2, are in operation. Baffle control efficiency is set at 45% in this limited value to avoid the need for control efficiency testing.

⁶ Shipping					
Truck (lb/ton)			Barge		
PM	PM-10	PM2.5	PM	PM-10	PM2.5
0.086	0.029	0.0049	0.016	0.004	0.00055

Shipping	PM	PM10	PM2.5
Straight Truck	45.150	15.225	2.573
⁷ Barge	8.400	2.100	0.289
Total uncontrolled	45.150	15.225	2.573

Note 6: Assumes that shipping can be done by both strait truck and barge

Note 7: The AP-42 emission factor for barge shipping was determined with spouts.

Methodology

Emission factors are from AP 42 Table 9.9.1-1 Particulate Emission Factors for Grain Elevators (3/03)

Potential Emissions (ton/yr) = Throughput (ton/yr) * Emission factor (lb/ton) / 2000 (lbs/ton)

Controlled Potential Emissions (ton/yr) = Throughput (ton/yr) * Emission factor (lb/ton) / 2000 (lbs/ton)* (1-Control Efficiency)

Drying		
PM	PM-10	PM2.5
0.22	0.055	0.0094

Drying	PM	PM10	PM2.5
Total uncontrolled	115.500	28.875	4.935

Headhouse and Grain Handling		
PM	PM-10	PM2.5
0.061	0.034	0.0058

	PM	PM10	PM2.5
Total uncontrolled	32.025	17.850	3.045
⁸ Controlled (90%)	3.203	1.785	0.305

Note 8: All the conveyors are completely enclosed, but do not vent to a control device. According to the Air Pollution Engineering Manual (Buonicore and Davis, 1992), enclosure of material transfer points and storage piles can result in particulate emission reductions ranging from 70 to essentially 100 percent control, depending on the type of enclosure (partial of full), the type of operation, and whether or not the enclosure is vent is routed to a control device such as a baghouse. In order to be conservative, the control efficiency for handling is estimated at 90%.

Storage		
PM	PM-10	PM2.5
0.025	0.0063	0.0011

storage	PM	PM10	PM2.5
uncontrolled	13.125	3.308	0.578

Appendix A: Emissions Calculations
Fugitive Dust Emissions - Unpaved Roads

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Company Name: ADM Grain Company
Address City IN Zip: 609 N. State Road 66, Rockport, IN 47635
SIC Code: 5153
Operating Permit Number: M147-28763-00055
Operating Permit Issuance: 3/30/2010
Significant Permit Revision No.: 147-34289-00055
Reviewer: APT
Application Date: 3/10/2014

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 (12/2003).

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)	72.0	1.0	72.0	40.0	2880.0	1848	0.350	25.2	9198.0
Vehicle (leaving plant) (one-way trip)	72.0	1.0	72.0	40.0	2880.0	1848	0.350	25.2	9198.0
Total			144.0		5760.0			50.4	18396.0

Average Vehicle Weight Per Trip = tons/trip
Average Miles Per Trip = miles/trip

Unmitigated Emission Factor, $E_f = k * [(s/12)^a] * [(W/3)^b]$ (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	6.4	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-3 Sand/Gravel Processing Plant Road)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2)
W =	40.0	40.0	40.0	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E * [(365 - P)/365]$

Mitigated Emission Factor, $E_{ext} = E * [(365 - P)/365]$

where P = days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, E_f =	8.28	2.11	0.27	lb/mile
Mitigated Emission Factor, E_{ext} =	5.44	1.39	0.18	lb/mile
Dust Control Efficiency =	50%	50%	50%	(pursuant to control measures outlined in fugitive dust control plan)

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)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)	Controlled PTE of PM2.5 (tons/yr)
Vehicle (entering plant) (one-way trip)	38.06	9.70	1.26	25.03	6.38	0.83	12.51	3.19	0.41
Vehicle (leaving plant) (one-way trip)	38.06	9.70	1.26	25.03	6.38	0.83	12.51	3.19	0.41
Total	76.13	19.40	2.51	50.06	12.76	1.65	25.03	6.38	0.83

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)
PM 2.5 = Particulate Matter (<2.5 um)
PTE = Potential to Emit

Appendix A: Emissions Calculations
Natural Gas Combustion Only MM BTU/HR <100

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Company Name: ADM Grain Company
Address City IN Zip: 609 N. State Road 66, Rockport, IN 47635
SIC Code: 5153
Operating Permit Number: M147-28763-00055
Operating Permit Issuance: 3/30/2010
Significant Permit Revision No.: 147-34289-00055
Reviewer: APT
Application Date: 3/10/2014

Heat Input Capacity		HHV mmBtu	Potential Throughput MMCF/yr
MMBtu/hr	Emission Unit	mmscf	
41.6	Dryer	1020	357.3

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.3	1.4	1.4	0.1	17.9	1.0	15.0
Potential Emission in lb/hr	0.1	0.3	0.3				

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

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

HAPS Calculations

Emission Factor in lb/MMcf	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Total - Organics
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	3.751E-04	2.144E-04	1.340E-02	3.215E-01	6.074E-04	3.361E-01

Emission Factor in lb/MMcf	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	Total - Metals
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	8.932E-05	1.965E-04	2.501E-04	6.788E-05	3.751E-04	9.789E-04

Methodology is the same as above.

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Total HAPs	0.34
Worst HAP	0.32
Worst HAP	Hexane

Greenhouse Gas Calculations

Emission Factor in lb/MMcf	Greenhouse Gas		
	CO2	CH4	N2O
	120,000	2.3	2.2
Potential Emission in tons/yr	21,436	0.4	0.4
Summed Potential Emissions in tons/yr	21,437		
CO2e Total in tons/yr	21,564		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.

Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

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

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (25) + N2O

Potential Emission ton/yr x N2O GWP (298).

Attachement A: 326 IAC 6-3-2 Compliance

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Summary

Company Name: ADM Grain Company
Address City IN Zip: 609 N. State Road 66, Rockport, IN 47635
SIC Code: 5153
Operating Permit Number: M147-28763-00055
Operating Permit Issuance: 3/30/2010
Significant Permit Revision No.: 147-34289-00055
Reviewer: APT
Application Date: 3/10/2014

Allowable Emissions Under 326 IAC 6-3-2

Emissions Unit Description	Maximum (bushels/hr) for each unit of that type	Maximum Process Weight (tons/hr) for each unit of that type	PM Emission Factor (lbs/ton)	Control Efficiency (%)	PM Emissions Before Control (lbs/hr)	326 IAC 6-3-2 Allowable PM Emissions (lbs/hr) for each unit of that type	PM Emissions After Control (lbs/hr)	Control required for Compliance? Yes/No
Dump #1	18,000	540	0.18	60%	97.2	69.9	38.9	Yes
River Dump #2	30,000	900	0.18	60%	162.0	76.2	64.8	Yes
River Dump #3	30,000	900	0.18	60%	162.0	76.2	64.8	Yes
Dump #2	18,000	540	0.18	60%	97.2	69.9	38.9	Yes
Pit 0	50,000	1,500	0.18	60%	270.0	83.0	108.0	Yes
Dump #1 Drag Conveyor	18,000	540	0.061	99%	32.9	69.9	0.3	No
Receiving Leg #1	18,000	540	0.061	99%	32.9	69.9	0.3	No
Bin 10 Reclaim Conveyor	20,000	600	0.061	99%	36.6	71.2	0.4	No
Bin 20 Reclaim	20,000	600	0.061	99%	36.6	71.2	0.4	No
Bin 30 Reclaim	20,000	600	0.061	99%	36.6	71.2	0.4	No
Bin 15 Reclaim	20,000	600	0.061	99%	36.6	71.2	0.4	No
Bin 25 Reclaim	20,000	600	0.061	99%	36.6	71.2	0.4	No
Bin 25 Fill Conveyor	18,000	540	0.061	99%	32.9	69.9	0.3	No
Dump #2 Conveyor	18,000	540	0.061	99%	32.9	69.9	0.3	No
Receiving Leg #2	18,000	540	0.061	99%	32.9	69.9	0.3	No
Grain Distributor	18,000	540	0.061	99%	32.9	69.9	0.3	No
Bin 26 Reclaim Conveyor	20,000	600	0.061	99%	36.6	71.2	0.4	No
Bin 26 Fill Conveyor	18,000	540	0.061	99%	32.9	69.9	0.3	No
Bin 35 Reclaim Conveyor	20,000	600	0.061	99%	36.6	71.2	0.4	No
Bin 35 Fill Conveyor	18,000	540	0.061	99%	32.9	69.9	0.3	No
Shipping Conveyor (River Hi Roller)	30,000	900	0.016	90%	14.4	76.2	1.4	No
Barge Conveyor (River Belt)	50,000	1,500	0.016	90%	24.0	83.0	2.4	No
Barge Loadout Spout	50,000	1,500	0.016	90%	24.0	83.0	2.4	No
Bin 20 Sidedraw Truck	8,000	240	0.029	90%	7.0	60.5	0.7	No
Leg Spout Truck Loadout	18,000	540	0.029	90%	15.7	69.9	1.6	No
Bin 15 Sidedraw Truck	8,000	240	0.029	90%	7.0	60.5	0.7	No
Bin 25 Sidedraw Truck	8,000	240	0.029	90%	7.0	60.5	0.7	No
Bin 10 Sidedraw Truck	8,000	240	0.029	90%	7.0	60.5	0.7	No
Grain Dryer	4,000	120	0.22	N/A	26.4	53.1	26.4	No
Wet Drag	6,500	195	0.061	N/A	11.9	58.2	11.9	No
Bottom Dry Drag	6,500	195	0.061	N/A	11.9	58.2	11.9	No
Top Dry Drag	6,500	195	0.061	N/A	11.9	58.2	11.9	No
Wet Leg	6,500	195	0.061	N/A	11.9	58.2	11.9	No
Dry Leg	6,500	195	0.061	N/A	11.9	58.2	11.9	No

Allowable emissions under 326 IAC 6-3-2 are calculated using the equation where the process weight rate is in excess of sixty thousand pounds per hour (30 tons/hr):

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

where

E = rate of emission in pounds per hour

P = process weight rate in tons per hour

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.

100 N. Senate Avenue • Indianapolis, IN 46204

(800) 451-6027 • (317) 232-8603 • www.idem.IN.gov

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

July 2, 2014

Ms. Miranda Gerard
ADM Grain Company
4666 Faries Pkwy
Decatur, IL 62526

Re: Public Notice
ADM Grain Company
Permit Level: Significant Permit Revision to a
Minor Source Operating Permit (MSOP)
Permit Number: 147-34289-00055

Dear Ms. Gerard:

Enclosed is a copy of your draft Significant Permit Revision to a Minor Source Operating Permit (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 prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that The Journal Democrat in Rockport, Indiana publish the abbreviated version of the public notice no later than July 10, 2014. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Spencer County Public Library, 210 Walnut Street in Rockport, 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.

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 Angela Taylor, 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 4-5329 or dial (317) 234-5329.

Sincerely,

Vivian Haun

Vivian Haun
Permits Branch
Office of Air Quality

Enclosures

PN Applicant Cover letter-2014. dot 4/10/14



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Commissioner

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

July 1, 2014

The Journal Democrat
PO Box 6
Rockport, IN 47635

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

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 July 10, 2014.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1003, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

To ensure proper payment, please reference account # 100174737.

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 Vivian Haun at 800-451-6027 and ask for extension 3-6867 or dial 317-233-6867.

Sincerely,

Vivian Haun

Vivian Haun
Permit Branch
Office of Air Quality

Permit Level: Significant Permit Revision to a Minor Source Operating Permit (MSOP)
Permit Number: 147-34289-00055

Enclosure
PN Newspaper.dot 6/13/2013



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

July 2, 2014

To: Spencer 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: 147-34289-00055

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 6/13/2013



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

100 N. Senate Avenue • Indianapolis, IN 46204

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Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

Notice of Public Comment

July 2, 2014
ADM Grain Company
147-34289-00055

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 6/13/13

Mail Code 61-53

IDEM Staff	VHAUN 7/2/2014 ADM Grain Company 147-34289-00055 DRAFT			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handling 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		Miranda Gerard ADM Grain Company 4666 Faries Parkway Decatur IL 62526 (Source CAATS)									
2		Jeffrey J Becker VP US Grain Operations and Engineering ADM Grain Company 4666 Faries Parkway Decatur IL 62526 (RO CAATS)									
3		Ms. Francis Lueken 223 W. 10th Street, P.O. Box 206 Ferdinand IN 47532 (Affected Party)									
4		Rockport City Council and Mayors Office P.O. Box 151 Rockport IN 47635 (Local Official)									
5		Spencer Co Public Library 210 N Walnut St Rockport IN 47635-1398 (Library)									
6		Ms. Kathy Tretter Dubois-Spencer Counties Publishing Co, Inc P.O. Box 38 Ferdinand IN 47532-0038 (Affected Party)									
7		Spencer County Commissioners 200 Main St., Courthouse Rockport IN 47635 (Local Official)									
8		Spencer County Health Department Main Street Courthouse, 1st Floor, Room 1 Roackport IN 47635-1492 (Health Department)									
9		Mr. Mark Wilson Evansville Courier & Press P.O. Box 268 Evansville IN 47702-0268 (Affected Party)									
10		David Boggs 216 Western Hills Dr Mt Vernon IN 47620 (Affected Party)									
11		John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)									
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