INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: January 28, 2009

RE: ADM Grain Company / 147-26793-00055

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

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER.dot12/03/07

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Miranda Gerard
ADM Grain Company
4666 Faries Parkway
Decatur, IL 62526

Re: 147-26793-00055
Second Significant Revision to
M147-20450-00055

Dear Miranda Gerard:

ADM Grain Company was issued a Minor Source Operating Permit (MSOP) No. M147-20450-00055 on June 30, 2005 for a stationary grain elevator located at 609 N. State Road 66, Rockport, Indiana 47635. On July 22, 2008, the Office of Air Quality (OAQ) received an application from the source requesting to increase their permitted maximum source-wide throughput. 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).

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. Attached please find the entire revised permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Anne-Marie C. Hart, of my staff, at 317-234-5401 or 1-800-451-6027, and ask for extension 4-5401.

Sincerely,

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

Attachments: Technical Support Document and revised permit

ACD/ACH

cc: File - Spencer County
Spencer County Health Department
U.S. EPA, Region V
Air Compliance Section
IDEM Southwest Regional Office
Compliance Data Section
Technical Support and Modeling
Permits Administrative and Development
Billing, Licensing and Training Section

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NEW SOURCE CONSTRUCTION and MINOR SOURCE OPERATING PERMIT OFFICE OF AIR QUALITY

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

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units 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.

Operation Permit No.: MSOP 147-20450-00055	
	Issuance Date: June 30, 2005 Expiration Date: June 30, 2010

First Notice Only Change 147-21755-00055, issued September 26, 2005.
First Significant Permit Revision 147-22412-00055, issued May 5, 2006

Second Significant Permit Revision: 147-26793-00055	
Issued By: Alfred C. Dumaual, Ph.D, Section Chief Office of Air Quality	Issuance Date: January 28, 2009 Expiration Date: June 30, 2010

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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, IN 47635
Mailing Address:	4666 Faries Parkway, Decatur, IL 62526
General Source Phone:	812-649-9311
SIC Code:	5153
County Location:	Spencer
Source Location Status:	Nonattainment area for $PM_{2.5}$ Attainment area for all other criteria pollutants
Source Status:	Minor Source Operating Permit Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emissions Units and Pollution Control Equipment Summary

This stationary source is approved to construct and operate the following emissions units and pollution control devices:

(a) One (1) truck receiving operation, identified as EP-1, constructed in December 2002, equipped with baffles for particulate control, consisting of the following equipment:

(1) One (1) receiving pit, identified as Dump #1, constructed in December 2002, capacity: 18,000 bushels per hour.

(2) One (1) receiving pit, identified as Dump #2, constructed in December 2002, capacity: 25,000 bushels per hour.

(3) One (1) receiving pit, identified as Dump #3, constructed in December 2002, capacity: 25,000 bushels per hour.

(4) One (1) receiving pit, identified as receiving pit #2, to be constructed in 2005, equipped with baffles for particulate control, capacity: 18,000 bushels per hour.

(b) One (1) internal handling operation, identified as EP-2, constructed in December 2002, equipped with enclosures for particulate control, consisting of the following equipment:

(1) One (1) drag conveyor, identified as Dump #1 Drag Conveyor, constructed in December 2002, capacity: 18,000 bushels per hour.

(2) One (1) receiving leg, identified as Receiving Leg #1, constructed in December 2002, capacity: 18,000 bushels per hour.

(3) One (1) bin 10 reclaim conveyor, identified as Bin 10 Reclaim Conveyor, constructed in December 2002, capacity: 20,000 bushels per hour.

(4) One (1) bin 20 reclaim, identified as Bin 20 Reclaim, constructed in December 2002, capacity: 15,000 bushels per hour.

(5) One (1) bin 30 reclaim, identified as Bin 30 Reclaim, constructed in December 2002, capacity: 20,000 bushels per hour.

(6) Two (2) storage bin reclaim conveyors, identified as New Reclaim Conveyors, to be constructed in 2005, capacity: 20,000 bushels per hour, each.

(7) One (1) storage bin fill conveyor, identified as New Fill Conveyor, to be constructed in 2005, capacity: 18,000 bushels per hour.

(8) One (1) receiving pit conveyor, identified as Receiving Pit Conveyor, to be constructed in 2005, capacity: 18,000 bushels per hour.

(9) One (1) receiving leg, identified as New Receiving Leg, to be constructed in 2005, capacity: 18,000 bushels per hour.

(10) One (1) enclosed grain distributor, identified as Grain Distributor, to be constructed in 2005, capacity: 18,000 bushels per hour.

(c) One (1) storage area, identified as EP-5, constructed in December 2002, consisting of the following equipment:

(1) Two (2) storage bins, identified as Bin 10 and Bin 30, constructed in December 2002, respectively, capacity: 111,000 bushels, each.

(2) One (1) storage bin, identified as Bin 20, constructed in December 2002, capacity: 24,000 bushels.

(3) One (1) storage bin, identified as Bin 25, to be constructed in 2005, capacity: 450,000 bushels.

(4) One (1) hopper bin, identified as Bin 15, to be constructed in 2005, capacity: 30,900 bushels.

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

(1) One (1) shipping conveyor, identified as Shipping Conveyor, constructed in December 2002, capacity: 25,000 bushels per hour.

(2) One (1) barge conveyor, identified as Barge Conveyor, capacity: 25,000 bushels per hour.

(3) One (1) barge loadout, identified as Barge Loadout, capacity: 25,000 bushels per hour.

(e) One (1) truck shipping area, identified as EP-4, constructed in December 2002, consisting of the following equipment:

(1) One (1) bin 20 sidedraw truck loadout, identified as Bin 20 Sidedraw Truck Loadout, constructed in December 2002, capacity: 6,000 bushels per hour.

(2) One (1) leg spout truck loadout, identified as Leg Spout Truck Loadout, constructed in December 2002, capacity: 18,000 bushels per hour.

(3) One (1) bin 15 sidedraw truck loadout, identified as Bin 15 Sidedraw Truck Loadout, to be constructed in 2005, capacity: 6,000 bushels per hour.

(4) One (1) bin 25 sidedraw truck loadout, identified as Bin 25 Sidedraw Truck Loadout, to be constructed in 2005, capacity: 6,000 bushels per hour.

(5) One (1) bin 10 sidedraw truck loadout, identified as Bin 10 Sidedraw Truck Loadout, constructed in December 2002, capacity: 6,000 bushels per hour.

(f) One (1) natural gas fired grain dryer, identified as EP-7, constructed in 2006, rated at: 41.6 million British thermal units per hour.

(g) Unpaved roads [326 IAC 6-5].

SECTION B GENERAL CONDITIONS

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1.1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

B.1 Permit No Defense [IC 13]

This permit 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.

B.2 Definitions

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.3 Effective Date of the Permit [IC13-15-5-3]

Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

B.4 Revocation of Permits [326 IAC 2-1.1-9(5)]

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

B.5 Permit Term and Renewal [326 IAC 2-6.1-7(a)] [326 IAC 2-1.1-9.5]

This permit is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions of this permit do not affect the expiration date.

The Permittee shall apply for an operation permit renewal at least ninety (90) days prior to the expiration date. If a timely and sufficient permit application for a renewal has been made, this permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

B.6 Modification to Permit [326 IAC 2]

Notwithstanding the Section B condition entitled “Minor Source Operating Permit”, all requirements and conditions of this construction permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

B.7 Minor Source Operating Permit [326 IAC 2-6.1]

This document shall also become a minor source operating permit pursuant to 326 IAC 2-6.1 when, prior to start of operation, the following requirements are met:

(a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), Permit Administration & Development Section.

(1) If the Affidavit of Construction verifies that the facilities covered in this Construction Permit were constructed as proposed in the application, then the facilities may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.

(2) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been

revised pursuant to 326 IAC 2-6.1-6 and 326 IAC 2-2 and an Operation Permit Validation Letter is issued.

(b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.

(c) Upon receipt of the Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section, the Permittee shall attach it to this document.

(d) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-1.1-7(Fees).

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

(a) Annual notification shall be submitted 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) Noncompliance with any condition must be specifically identified. If there are any permit conditions or requirements for which the source is not in compliance at any time during the year, the Permittee must provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be, achieved. The notification must be signed by an authorized individual.

(c) The annual notice shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in the format attached no later than March 1 of each year to:

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

(d) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

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

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days (this time frame is determined on a case by case basis but no more than ninety (90) days) after issuance of this permit, including the following information on each emissions unit:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) A copy of the PMP's 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 PMP whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.10 Permit Revision [326 IAC 2-5.1-3(e)(3)] [326 IAC 2-6.1-6]

(a) Permit revisions are governed by the requirements of 326 IAC 2-6.1-6.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1.

(c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

(d) No permit amendment or modification is required for the addition, operation or removal of a non-road engine, as defined in 40 CFR 89.2.

B.11 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] [IC13-17-3-2] [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 this title or the conditions of this permit or any operating permit revisions;

(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 processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.12 Transfer of Ownership or Operation [326 IAC 2-6.1-6(d)(3)]

Pursuant to [326 IAC 2-6.1-6(d)(3)]:

(a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAQ, Permits Branch, within thirty (30) days of the change.

(b) The written notification shall be sufficient to transfer the permit to the new owner by an notice-only change pursuant to 326 IAC 2-6.1-6(d)(3).

(c) IDEM, OAQ, shall issue a revised permit.

The notification which shall be submitted by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1.

B.13 Annual Fee Payment [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing.

(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.14 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.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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 one hundred (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 construct and 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 5-1-3 (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 non-overlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 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.5 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 plan submitted on November 12, 2008. The plan is included as Attachment A.

C.6 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
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an “authorized individual” as defined by 326 IAC 2-7-1(34).

(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 Accredited 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 Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements

C.7 Performance Testing [326 IAC 3-6]

(a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, 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 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 the 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.8 Compliance Requirements [326 IAC 2-1.1-11]

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

Compliance Monitoring Requirements

C.9 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.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other

approved methods as specified in this permit.

C.11 Response to Excursions or Exceedances

(a) Upon detecting an excursion or exceedance, the Permittee shall 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 emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned 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 within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(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;

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

Record Keeping and Reporting Requirements

C.12 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.13 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, all record keeping requirements not already legally required shall be implemented when operation begins.

C.14 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-5] [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 Data Section, 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) Unless otherwise specified in this permit, any report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The reports do not require the certification by an “authorized individual” as defined by 326 IAC 2-1.1-1(1).

(d) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1 EMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) truck receiving operation, identified as EP-1, constructed in December 2002, equipped with baffles for particulate control, consisting of the following equipment:

(1) One (1) receiving pit, identified as Dump #1, constructed in December 2002, capacity: 18,000 bushels per hour.

(2) One (1) receiving pit, identified as Dump #2, constructed in December 2002, capacity: 25,000 bushels per hour.

(3) One (1) receiving pit, identified as Dump #3, constructed in December 2002, capacity: 25,000 bushels per hour.

(4) One (1) receiving pit, identified as receiving pit #2, to be constructed in 2005, equipped with baffles for particulate control, capacity: 18,000 bushels per hour.

(b) One (1) internal handling operation, identified as EP-2, constructed in December 2002, equipped with enclosures for particulate control, consisting of the following equipment:

(1) One (1) drag conveyor, identified as Dump #1 Drag Conveyor, constructed in December 2002, capacity: 18,000 bushels per hour.

(2) One (1) receiving leg, identified as Receiving Leg #1, constructed in December 2002, capacity: 18,000 bushels per hour.

(3) One (1) bin 10 reclaim conveyor, identified as Bin 10 Reclaim Conveyor, constructed in December 2002, capacity: 20,000 bushels per hour.

(4) One (1) bin 20 reclaim, identified as Bin 20 Reclaim, constructed in December 2002, capacity: 15,000 bushels per hour.

(5) One (1) bin 30 reclaim, identified as Bin 30 Reclaim, constructed in December 2002, capacity: 20,000 bushels per hour.

(6) Two (2) storage bin reclaim conveyors, identified as New Reclaim Conveyors, to be constructed in 2005, capacity: 20,000 bushels per hour, each.

(7) One (1) storage bin fill conveyor, identified as New Fill Conveyor, to be constructed in 2005, capacity: 18,000 bushels per hour.

(8) One (1) receiving pit conveyor, identified as Receiving Pit Conveyor, to be constructed in 2005, capacity: 18,000 bushels per hour.

(9) One (1) receiving leg, identified as New Receiving Leg, to be constructed in 2005, capacity: 18,000 bushels per hour.

(10) One (1) enclosed grain distributor, identified as Grain Distributor, to be constructed in 2005, capacity: 18,000 bushels per hour.

(c) One (1) storage area, identified as EP-5, constructed in December 2002, consisting of the following equipment:

Emissions Unit Description: (continued)

(1) Two (2) storage bins, identified as Bin 10 and Bin 30, constructed in December 2002, capacity: 111,000 bushels, each.

(2) One (1) storage bin, identified as Bin 20, constructed in December 2002, capacity: 24,000 bushels.

(3) One (1) storage bin, identified as Bin 25, to be constructed in 2005, capacity: 450,000 bushels.

(4) One (1) hopper bin, identified as Bin 15, to be constructed in 2005, capacity: 30,900 bushels.

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

(1) One (1) shipping conveyor, identified as Shipping Conveyor, constructed in December 2002, capacity: 25,000 bushels per hour.

(2) One (1) barge conveyor, identified as Barge Conveyor, capacity: 25,000 bushels per hour.

(3) One (1) barge loadout, identified as Barge Loadout, capacity: 25,000 bushels per hour.

(e) One (1) truck shipping area, identified as EP-4, constructed in December 2002, consisting of the following equipment:

(1) One (1) bin 20 sidedraw truck loadout, identified as Bin 20 Sidedraw Truck Loadout, constructed in December 2002, capacity: 6,000 bushels per hour.

(2) One (1) leg spout truck loadout, identified as Leg Spout Truck Loadout, constructed in December 2002, capacity: 18,000 bushels per hour.

(3) One (1) bin 15 sidedraw truck loadout, identified as Bin 15 Sidedraw Truck Loadout, to be constructed in 2005, capacity: 6,000 bushels per hour.

(4) One (1) bin 25 sidedraw truck loadout, identified as Bin 25 Sidedraw Truck Loadout, to be constructed in 2005, capacity: 6,000 bushels per hour.

(5) One (1) bin 10 sidedraw truck loadout, identified as Bin 10 Sidedraw Truck Loadout, constructed in December 2002, capacity: 6,000 bushels per hour.

(f) One (1) natural gas fired grain dryer, identified as EP-7, constructed in 2006, rated at: 41.6 million British thermal units per hour.

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

Emission Limitations and Standards

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

Particulate matter emissions from the straight truck receiving operation 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.

D.1.2 Particulate [326 IAC 6-3-2]

(a) The particulate (PM) emissions from the one (1) receiving pit, identified as Dump #1, associated with the truck receiving operation, identified as EP-1, shall be limited to 69.9 pounds per hour when operating at a process weight rate of 1,080,000 pounds per hour (18,000 bushels).

(b) The particulate (PM) emissions from the one (1) receiving pit, identified as Dump #2, associated with the truck receiving operation, identified as EP-1, shall be limited to 73.9 pounds per hour when operating at a process weight rate of 1,500,000 pounds per hour (25,000 bushels).

(c) The particulate (PM) emissions from the one (1) receiving pit, identified as Dump #3, associated with the truck receiving operation, identified as EP-1, shall be limited to 73.9 pounds per hour when operating at a process weight rate of 1,500,000 pounds per hour (25,000 bushels).

(d) The particulate (PM) emissions from the one (1) receiving pit, identified as Receiving Pit #2, associated with the one (1) truck receiving operation, identified as EP-1, shall be limited to 69.9 pounds per hour when operating at a process weight rate of 1,080,000 pounds per hour (18,000 bushels).

(e) The particulate (PM) emissions from the one (1) drag conveyor, identified as Dump #1 Drag Conveyor, associated with the internal handling operation, identified as EP-2, shall be limited to 69.9 pounds per hour when operating at a process weight rate of 1,080,000 pounds per hour (18,000 bushels).

(f) The particulate (PM) emissions from one (1) receiving leg, identified as Receiving Leg #1, associated with the internal handling operations, identified as EP-2, shall be limited to 69.9 pounds per hour when operating at a process weight rate of 1,080,000 pounds per hour (18,000 bushels).

(g) The particulate (PM) emissions from the one (1) bin 10 reclaim conveyor, identified as Bin 10 Reclaim Conveyor, associated with the internal handling operations, identified as EP-2, shall be limited to 71.2 pounds per hour when operating at a process weight rate of 1,200,000 pounds per hour (20,000 bushels).

(h) The particulate (PM) emissions from the one (1) bin 20 reclaim, identified as Bin 20 Reclaim, associated with the internal handling operations, identified as EP-2, shall be limited to 67.7 pounds per hour when operating at a process weight rate of 900,000 pounds per hour (15,000 bushels).

(i) The particulate (PM) emissions from the one (1) bin 30 reclaim, identified as Bin 30 Reclaim, associated with the internal handling operations, identified as EP-2, shall be limited to 71.2 pounds per hour when operating at a process weight rate of 1,200,000 pounds per hour (20,000 bushels).

(j) The particulate (PM) emissions from the two (2) storage bin reclaim conveyors, identified as New Reclaim Conveyors, associated with the internal handling operation, identified as EP-2, shall be limited to 71.2 pounds per hour, each, when operating at a process weight rate of 1,200,000 pounds per hour (20,000 bushels), each.

(k) The particulate (PM) emissions from the one (1) storage bin fill conveyor, identified as New Fill Conveyor, associated with the internal handling operation, identified as EP-2, shall be limited to 69.9 pounds per hour, when operating at a process weight rate of 1,080,000 pounds per hour (18,000 bushels).

(l) The particulate (PM) emissions from one (1) receiving pit conveyor, identified as Receiving Pit Conveyor, associated with the internal handling operations, identified as EP-2, shall be limited to 69.9 pounds per hour when operating at a process weight rate of 1,080,000 pounds per hour (18,000 bushels).

(m) The particulate (PM) emissions from one (1) receiving leg, identified as New Receiving Leg, associated with the internal handling operations, identified as EP-2, shall be limited to 69.9 pounds per hour when operating at a process weight rate of 1,080,000 pounds per hour (18,000 bushels).

(n) The particulate (PM) emissions from one (1) enclosed grain distributor , identified as Grain Distributor, associated with the internal handling operations, identified as EP-2, shall be limited to 69.9 pounds per hour when operating at a process weight rate of 1,080,000 pounds per hour (18,000 bushels).

(o) The particulate (PM) emissions from the two (2) storage bins, identified as Bin 10 and Bin 30, associated with the one (1) storage area, identified as EP-5, shall be limited to 87.2 pounds per hour, each, when operating at a process weight rate of 4,080,000 pounds per hour (68,000 bushels), each.

(p) The particulate (PM) emissions from the one (1) storage bin, identified as Bin 20, associated with the one (1) storage area, identified as EP-5, shall be limited to 87.2 pounds per hour when operating at a process weight rate of 4,080,000 pounds per hour (68,000 bushels).

(q) The particulate (PM) emissions from the one (1) storage bin, identified as Bin 25, associated with the one (1) storage area, identified as EP-5, shall be limited to 87.2 pounds per hour when operating at a process weight rate of 4,080,000 pounds per hour (68,000 bushels).

(r) The particulate (PM) emissions from the one (1) hopper bin, identified as Bin 15, associated with the one (1) storage area, identified as EP-5, shall be limited to 87.2 pounds per hour when operating at a process weight rate of 4,080,000 pounds per hour (68,000 bushels).

(s) The particulate (PM) emissions from the one (1) shipping conveyor, identified as Shipping Conveyor, the one (1) barge conveyor, identified as Barge Conveyor, and the one (1) barge loadout, identified as Barge Loadout, associated with the one (1) barge shipping area, identified as EP-3, shall be limited to 73.9 pounds per hour, each, when operating at a process weight rate of 1,500,000 pounds per hour (25,000 bushels), each.

(t) The particulate (PM) emissions from the one (1) bin 10 sidedraw loadout, identified as Bin 10 Sidedraw Loadout, the one (1) bin 15 sidedraw loadout, identified as Bin 15 Sidedraw Loadout, the one (1) bin 20 sidedraw loadout, identified as Bin 20 Sidedraw Loadout, and the one (1) bin 25 sidedraw loadout, identified as Bin 25 Sidedraw Loadout associated with the one (1) truck shipping area, identified as EP-4, shall be limited to 57.4 pounds per hour, each, when operating at a process weight rate of 360,000 pounds per hour (6,000 bushels), each.

(u) The particulate (PM) emissions from the one (1) leg sprout truck loadout, identified as Leg Sprout Truck Loadout, associated with the one (1) truck shipping area, identified as EP-4, shall be limited to 69.9 pounds per hour when operating at a process weight rate of 1,080,000 pounds per hour (18,000 bushels).

(v) The particulate (PM) emissions from the one (1) natural gas fired grain dryer, identified as EP-7, shall be limited to 53.1 pounds per hour when operating at a process weight rate of 240,000 pounds per hour (4,000 bushels).

The pounds per hour limitations above were calculated with the following equation:

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

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

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the three (3) loadout dumps, identified as Dump #1, Dump #2 and Dump #3, and their control devices.

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 emissions from each of the three (3) receiving pits, identified as Dump #1, Dump #2 and Dump #3, and the one (1) receiving pit, identified as Receiving Pit #2, at all times that the three (3) receiving pits, identified as Dump #1, Dump #2 and Dump #3, and the one (1) receiving pit, identified as Receiving Pit #2, are in operation.

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. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.1.6 Record Keeping Requirements

(a) To document compliance with Condition D.1.5, the Permittee shall maintain a log of weekly inspections of the baffle panels.

(b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE 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**
City:	**Rockport, Indiana 47635**
Phone #:	**812-649-9311**
MSOP #:	**147-20450-00055**

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 **147-20450-00055**.
☐ not in compliance with the requirements of MSOP **147-20450-00055**.

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:

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 ?_____, 100TONS/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 PERMI LIMIT OF _____

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

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

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

DATE/TIME MALFUNCTION STARTED: _____/_____/ 20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE_____/_____/ 20____ _____ AM/PM

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

_____

MEASURES TAKEN TO MINIMIZE EMISSIONS:_____

_____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

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

MALFUNCTION REPORTED BY:_____TITLE:_____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY:_____DATE:_____TIME:_____
*SEE PAGE 2

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

326 IAC 1-6-1 Applicability of rule

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

326 IAC 1-2-39 "Malfunction" definition

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

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

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

_____
_____

Attachment A - Fugitive Dust Control Plan

ADM Grain Company
609 N State Rd 66
Rockport, IN 47635

FUGITIVE DUST CONTROL PLAN

The fugitive dust control plan components listed below will be implemented by Scott Sorrows, Regional Superintendent at the Rockport, IN facility at the address listed above. The components are outlined below:

The Rockport Grain Elevator receives grain by truck and is mostly shipped out by barge directly to ADM's customers. A small portion of our grain is shipped out by truck. Our complete list of processes and emission points are attached; along with a map showing our facility in detail.

Our fugitive emissions primarily come from our unpaved haul roads. We currently see approximately 72 trucks a day. The fugitive particulate matter (dust) that results from our unpaved haul roads is what needs to be addressed. These roads are used more frequently during our harvest season, which is late September running through the later part of November.

Currently the facility treats the haul roads with emulsified asphalt normally once a year or as needed. This frequency is determined by the location manager once he sees the dust becoming a problem then the emulsified is added more often than once a year.

The facility has not made a practice of documenting the frequency of the application, but going forward with the creation of this plan, will, indeed document the amount of emulsified asphalt used and the frequency of the application. These records will continue to be maintained and presented upon request of the commissioner and shall be retained for a period of three (3) years.

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, Indiana 47653**
County:	**Spencer**
SIC Code:	**5153**
Operation Permit No.:	**147-20450-00055**
Operation Permit Issuance Date:	**June 30, 2005**
Significant Permit Revision No.:	**147-26793-00055**
Permit Reviewer:	**Anne-Marie C. Hart**

On July 22, 2008, the Office of Air Quality (OAQ) has received an application from ADM Grain Company related to a modification to an existing grain elevator.

Existing Approvals

The source was issued MSOP No. M147-20450-00055 on June 30, 2005. The source has since received the following approvals:

(a) Notice-Only Change No. 147-21755-00055, issued on September 26, 2005; and

(b) Significant Permit Revision No. 147-22412-00055, issued on May 5, 2006.

County Attainment Status

The source is located in Spencer County (Ohio Township).

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.

[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.
Basic nonattainment designation effective federally April 5, 2005, for the Ohio Twp for PM2.5. The remainder of Spencer County is unclassifiable or attainment effective April 5, 2005, for PM2.5.

(a) Ozone Standards
Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) 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 NOx 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 NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) PM2.5
U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Spencer County Ohio Township as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's New Source Review Rule for PM2.5 promulgated on May 8th, 2008, and effective on July 15th 2008. Therefore, direct PM2.5 and SO2 emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants
Spencer County has been classified as attainment or unclassifiable in Indiana for all other regulated 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 and hazardous air pollutants 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:

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10	PM2.5	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Straight Truck Receiving	32.0	10.60	1.80	0.00	0.00	0.00	0.00	0.00	0.00
Hopper Truck Receiving	4.20	0.94	0.16	0.00	0.00	0.00	0.00	0.00	0.00
Internal Handling	18.30	10.20	1.74	0.00	0.00	0.00	0.00	0.00	0.00
Storage Bin Vents	7.50	1.89	0.33	0.00	0.00	0.00	0.00	0.00	0.00
Barge Shipping	4.80	1.20	0.17	0.00	0.00	0.00	0.00	0.00	0.00
Truck Shipping	25.80	8.70	1.47	0.00	0.00	0.00	0.00	0.00	0.00
Grain Drying	66.0	16.50	2.82	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Combustion (Grain Dryer)	0.35	1.38	1.38	0.11	18.20	1.00	15.30	0.34	0.01 Formaldehyde
Fugitive Emissions* (Unpaved Roads)	72.64	15.92	15.92	0.00	0.00	0.00	0.00	0.00	0.00

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10	PM2.5	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Total PTE of Entire Source	**158.95**	**51.41**	**9.87**	**0.11**	**18.20**	**1.00**	**15.30**	**0.34**	**0.01 Formaldehyde**
Title V Major Source Thresholds	NA	100	-	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	-	250	250	250	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	-	-	100	-	-	-	-	NA	NA

negl. = negligible
These emissions are based upon MSOP 147-20450-00055 issued June 30, 2005 and Significant Permit Revision 147-22412-00055 issued May 5, 2006.
* Fugitive emissions are not counted toward PSD or Part 70 applicability.

Description of Proposed Revision

The Office of Air Quality (OAQ) has reviewed an application, submitted by ADM Grain Company on July 22, 2008, relating to an increase the maximum source-wide throughput. There is no new construction or modification to any existing units. The source has requested that the increased throughput remain confidential. Therefore, the description of the facility will not include the source-wide maximum throughput.

Enforcement Issues

There are no pending enforcement actions related to this revision.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP Revision

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.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								
	PM	PM10*	PM2.5	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Total PTE of Entire Source (Before Revision)	158.95	51.41	9.87	0.11	18.20	1.00	15.30	0.34	0.01 Formaldehyde
Total PTE of Entire Source (After Revision)	<250	85.72	15.67	0.11	18.20	1.00	15.30	0.34	0.01 Formaldehyde

This MSOP is being revised through a MSOP Significant Permit Revision pursuant to 326 IAC 2-6.1-6(i)(1)(E)(i), because the revision involves the increase in source-wide maximum throughput with potential to emit (PTE) PM greater than 25 tons per year.

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 ~~strikethrough~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source to accommodate the Proposed Revision (tons/year)								
	PM	PM10	PM2.5	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Straight Truck Receiving	~~32.0~~ **<66.00**	~~10.60~~ **26.55**	~~1.80~~ **4.50**	0.00	0.00	0.00	0.00	0.00	0.00
~~Hopper Truck Receiving~~	~~4.20~~	~~0.94~~	~~0.16~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~	~~0.00~~
Internal Handling	~~18.30~~ **27.50**	~~10.20~~ **15.30**	~~1.74~~ **2.60**	0.00	0.00	0.00	0.00	0.00	0.00
Storage Bin Vents	~~7.50~~ **11.25**	~~1.89~~ **2.84**	~~0.33~~ **0.50**	0.00	0.00	0.00	0.00	0.00	0.00
Barge Shipping	~~4.80~~ **7.20**	~~1.20~~ **1.80**	~~0.17~~ **0.25**	0.00	0.00	0.00	0.00	0.00	0.00
Truck Shipping	~~25.80~~ **38.70**	~~8.70~~ **13.05**	~~1.47~~ **2.21**	0.00	0.00	0.00	0.00	0.00	0.00
Grain Drying	~~66.0~~ **99.00**	~~16.50~~ **24.80**	~~2.82~~ **4.23**	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Combustion (Grain Dryer)	0.35	1.38	1.38	0.11	18.20	1.00	15.30	0.34	0.01 Formaldehyde
Fugitive Emissions** (Unpaved Roads)	~~72.64~~ **50.06**	~~15.92~~ **12.76**	~~15.92~~ **12.76**	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Entire Source	~~158.95~~ **<250**	~~51.41~~ **85.72**	~~9.87~~ **15.67**	0.11	18.20	1.00	15.30	0.34	0.01 Formaldehyde
Title V Major Source Thresholds	NA	100	-	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	-	250	250	250	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	-	-	100	-	-	-	-	NA	NA

negl. = negligible
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
** Fugitive emissions are not counted toward PSD or Part 70 applicability.

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. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted)

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)								
	PM	PM10	PM2.5	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Straight Truck Receiving	<66.00	26.55	4.50	0.00	0.00	0.00	0.00	0.00	0.00
Internal Handling	27.50	15.30	2.60	0.00	0.00	0.00	0.00	0.00	0.00
Storage Bin Vents	11.25	2.84	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Barge Shipping	7.20	1.80	0.25	0.00	0.00	0.00	0.00	0.00	0.00
Truck Shipping	38.70	13.05	2.21	0.00	0.00	0.00	0.00	0.00	0.00
Grain Drying	99.00	24.80	4.23	0.00	0.00	0.00	0.00	0.00	0.00
Natural Gas Combustion (Grain Dryer)	0.35	1.38	1.38	0.11	18.20	1.00	15.30	0.34	0.01 Formaldehyde
Fugitive Emissions** (Unpaved Roads)	50.06	12.76	12.76	0.00	0.00	0.00	0.00	0.00	0.00
Total PTE of Entire Source	<250	85.72	15.67	0.11	18.20	1.00	15.30	0.34	0.01 Formaldehyde
Title V Major Source Thresholds	NA	100	-	100	100	100	100	25	10
PSD Major Source Thresholds	250	250	-	250	250	250	250	NA	NA
Emission Offset/ Nonattainment NSR Major Source Thresholds	-	-	100	-	-	-	-	NA	NA
negl. = negligible ** Fugitive emissions are not counted toward PSD or Part 70 applicability.									

MSOP Status
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 limited to less than the Title V major source threshold levels. Therefore, the source will still be subject to the provisions of 326 IAC 2-6.1 (MSOP).

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

(a) The requirements of the New Source Performance Standard for Grain Elevators, 40 CFR 60, Subpart DD (326 IAC 12), are not included for this proposed revision, since the maximum storage capacity is less than 2.5 million U.S. bushels.

(b) There are no New Source Performance Standards (NSPS)(40 CFR Part 60) included for this proposed revision).

National Emission Standards for Hazardous Air Pollutants (NESHAP)

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

Compliance Assurance Monitoring (CAM)

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

State Rule Applicability Determination

The following state rules are applicable to the proposed revision:

(a) 326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Permit Level Determination – MSOP section above.

(b) 326 IAC 2-2 (Prevention of Significant Deterioration(PSD))
This modification to an existing PSD minor stationary source will change the PSD minor status, because the potential to emit particulate matter from the entire source is limited to less 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). The source shall limit the potential particulate matter emissions from the straight truck receiving operation to less than 0.15 pounds or particulate matter per ton of grain received. Compliance with this limit, combined with the potential to emit particulate matter from other emission units at the source, shall limit the particulate matter from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 (PSD) not applicable. See PTE of the Entire Source After Issuance of the MSOP Revision Section above.

(c) 326 IAC 2-1.1-5 (Nonattainment New Source Review)
This modification to an existing minor stationary source under 326 IAC 2-1.1-5 (Nonattainment New Source Review) will not change the minor status, because the potential to emit of PM2.5 from the entire source will continue to be less than 100 tons per year. Therefore, pursuant to 326 IAC 2-1.1-5, the Nonattainment New Source Review requirements do not apply. See PTE of the Entire Source After Issuance of the MSOP Revision Section above.

(d) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The proposed revision is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the 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.

(e) 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.

(f) 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.

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

(h) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
Due to this revision, 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.

Grain Elevator

(i) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
The maximum throughput for individual emission units at the source shall not change with the increase in source-wide maximum throughput. Therefore, the limits established in MSOP M147-20450-00055, issued June 30, 2005, and the Significant Permit Revision 147-22412-00055, issued May 5, 2006, will not change as a result of this revision.

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 No: M147-20450-00055, issued on June 30, 2005.

Proposed Changes

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

(1) The mailing address of the responsible official in Section A.1 has been changed as follows:

Mailing Address: ~~1001 North Brush College Road, Decatur, IL 62521~~**4666 Faries Parkway, Decatur, IL 62526**

(2) The source description in Section A.2 and Section D.1 have been changed as follows:

(a) One (1) truck receiving operation, identified as EP-1, constructed in December 2002, equipped with baffles for particulate control, ~~capacity: 20,000,000 bushels or 600,000 tons per year,~~ consisting of the following equipment:

* * *

(b) One (1) internal handling operation, identified as EP-2, constructed in December 2002, equipped with enclosures for particulate control, ~~capacity: 20,000,000 bushels or 600,000 tons per year,~~ consisting of the following equipment:

* * *

(c) One (1) storage area, identified as EP-5, constructed in December 2002, ~~capacity: 20,000,000 bushels or 600,000 tons per year,~~ consisting of the following equipment:

* * *

(d) One (1) barge shipping area, identified as EP-3, ~~capacity: 20,000,000 bushels or 600,000 tons per year,~~ consisting of the following equipment:

* * *

(e) One (1) truck shipping area, identified as EP-4, constructed in December 2002, ~~capacity: 20,000,000 bushels or 600,000 tons per year,~~ consisting of the following equipment:

* * *

(f) One (1) natural gas fired grain dryer, identified as EP-7, constructed in 2006, ~~capacity: 20,000,000 bushels or 600,000 tons per year~~, rated at: 41.6 million British thermal units per hour.

(g) Unpaved roads [326 IAC 6-5]

(3) The following condition has been added to Section C. All subsequent conditions have been renumbered as appropriate:

C.5 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 plan submitted on November 12, 2008. The plan is included as Attachment A.

(4) The following condition has been added to Section D.1. All subsequent conditions have been renumbered as appropriate:

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

Particulate matter emissions from the straight truck receiving operation shall be less than 66 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with the above limit, combined with the potential to emit particulate matter from all other emission units at the source, shall limit the particulate matter 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.~~3~~**4** Particulate Control

In order to comply with Condition**s** D.1.1 **and D.1.2**, the baffles for particulate control shall be in operation and control emissions from the three (3) receiving pits, identified as Dump #1, Dump #2 and Dump #3, and the one (1) receiving pit, identified as Receiving Pit #2, at all times that the three (3) receiving pits, identified as Dump #1, Dump #2 and Dump #3, and the one (1) receiving pit, identified as Receiving Pit #2, are in operation.

* * *

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

(a) All occurrences of IDEM mailing addresses have been revised to include a mail code (MC) as follows:

Asbestos Section:	**MC 61-52 IGCN 1003**
Compliance Branch:	**MC 61-53 IGCN 1003**
Permits Branch:	**MC 61-53 IGCN 1003**
Technical Support and Modeling Section:	**MC 61-50 IGCN 1003**

(b) The Compliance Data Branch facsimile number has been revised to 317-233-~~5967~~ **6865**.

(c) IDEM has begun implementing a new procedure and will no longer list the name or title of the Authorized Individual (A.I.) in the permit document. Section A.1 is updated as follows:

~~Authorized Individual: V.P. U.S. Grain Operations and Engineering~~

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 July 22, 2008.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed MSOP Significant Revision No. 147-26793-00055. The staff recommends to the Commissioner that this MSOP Significant Revision be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Anne-Marie C. Hart 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) 234-5401 or toll free at 1-800-451-6027 extension 4-5401.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Appendix A: Emission Calculations
Fugitive Dust Emissions - Unpaved Roads

Company Name: ADM Grain Company
Address City IN Zip: 609 N. State Road 66, Rockport, IN 47635
Permit Number: 147-26793-00055
Plt ID: 147-00055
Reviewer: Anne-Marie C. Hart
Date: November 12, 2008

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	*	2880.0	1848	0.350	25.2	9198.0
Vehicle (leaving plant) (one-way trip)	72.0	1.0	72.0	*	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 = 0.35 miles/trip

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

	PM	PM10	
where k =	4.9	1.5	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	4.8	4.8	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-3 Sand/Gravel Processing Plar
a =	0.7	0.9	= constant (AP-42 Table 13.2.2-2)
W =	*	*	tons = average vehicle weight (provided by source)
b =	0.45	0.45	= constant (AP-42 Table 13.2.2-2)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = E * [(365 - P)/365]
Mitigated Emission Factor, Eext = E * [(365 - P)/365]
where P = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	
Unmitigated Emission Factor, Ef =	8.28	2.11	lb/mile
Mitigated Emission Factor, Eext =	5.44	1.39	lb/mile
Dust Control Efficiency =	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)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Controlled PTE of PM (tons/yr)	Controlled PTE of PM10 (tons/yr)
Vehicle (entering plant) (one-way trip	38.06	9.70	25.03	6.38	12.51	3.19
Vehicle (leaving plant) (one-way trip)	38.06	9.70	25.03	6.38	12.51	3.19
	76.13	**19.40**	**50.06**	**12.76**	**25.03**	**6.38**

* Indicates confidential information

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)
PTE = Potential to Emit