



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: December 8, 2008

RE: Kokomo Grain Company, Inc. / 103-26888-00005

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



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

Minor Source Operating Permit Renewal OFFICE OF AIR QUALITY

**Kokomo Grain Company, Inc.
East Pennsylvania
Amboy, Indiana 46911**

(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.: M103-26888-00005	
Issued by:  Alfred C. Dumauval, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: December 8, 2008 Expiration Date: December 8, 2018

TABLE OF CONTENTS

A. SOURCE SUMMARY	4
A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]	
A.2 Emission Units and Pollution Control Equipment Summary	
B. GENERAL CONDITIONS	6
B.1 Definitions [326 IAC 2-1.1-1]	
B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.3 Term of Conditions [326 IAC 2-1.1-9.5]	
B.4 Enforceability	
B.5 Severability	
B.6 Property Rights or Exclusive Privilege	
B.7 Duty to Provide Information	
B.8 Certification	
B.9 Annual Notification [326 IAC 2-6.1-5(a)(5)]	
B.10 Preventive Maintenance Plan [326 IAC 1-6-3]	
B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]	
B.13 Permit Renewal [326 IAC 2-6.1-7]	
B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]	
B.15 Source Modification Requirement	
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]	
B.17 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]	
B.18 Annual Fee Payment [326 IAC 2-1.1-7]	
B.19 Credible Evidence [326 IAC 1-1-6]	
C. SOURCE OPERATION CONDITIONS	11
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]	
C.2 Permit Revocation [326 IAC 2-1.1-9]	
C.3 Opacity [326 IAC 5-1]	
C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.6 Fugitive Dust Emissions [326 IAC 6-4]	
C.7 Stack Height [326 IAC 1-7]	
C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]	
Testing Requirements [326 IAC 2-6.1-5(a)(2)]	
C.9 Performance Testing [326 IAC 3-6]	
Compliance Requirements [326 IAC 2-1.1-11]	
C.10 Compliance Requirements [326 IAC 2-1.1-11]	
Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]	
C.11 Compliance Monitoring [326 IAC 2-1.1-11]	
C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]	
C.13 Instrument Specifications [326 IAC 2-1.1-11]	
Corrective Actions and Response Steps	
C.14 Response to Excursions or Exceedances	

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

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

- C.16 Malfunctions Report [326 IAC 1-6-2]
- C.17 General Record Keeping Requirements [326 IAC 2-6.1-5]
- C.18 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2]
[IC 13-14-1-13]

D.1. EMISSIONS UNIT OPERATION CONDITIONS 17

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

- D.1.1 Particulate (PM) [326 IAC 6-3-2]
- D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

Compliance Determination Requirements

- D.1.3 PM Control Emissions

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

- D.1.4 Record Keeping Requirement

E.1. EMISSIONS UNIT OPERATION CONDITIONS 20

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

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

Certification 23
Annual Notification 24
Malfunction Report 24

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 grain terminal elevator.

Source Address:	East Pennsylvania, Amboy, Indiana 46911
Mailing Address:	P.O. Box 745, Kokomo, Indiana 46903-0745
General Source Phone Number:	(765) 236-4163
SIC Code:	4221
County Location:	Miami
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) Two (2) concrete silos, one (1) with a storage capacity of 550,000 bushels of grain, identified at Silo 7 and one (1) with a storage capacity of 600,000 bushels of grain, identified at Silo 8, constructed in 2000;
- (b) One (1) grain receiving totally enclosed conveyor, identified at Butler Bldg. Load, with a maximum rate of 25,000 bushels per hour, constructed in 2003;
- (c) One (1) bin emptying totally enclosed conveyor, identified as Silo 7 and 8 unload, with a maximum rate of 30,000 bushels per hour, constructed in 2000;
- (d) Two (2) 22,500 bushels/hour receiving legs, identified as E and W legs, constructed in 2003;
- (e) One (1) 35,000 bushels/hour load out leg, identified as Load out/Wet leg, constructed in 2003;
- (f) One (1) 15,000 bushels/hour grain leg, identified as Dry leg, constructed in 2003;
- (g) One (1) 60,000 bushels/hour rail load out, identified as rail out load, constructed in 2003;
- (h) One (1) 80-foot enclosed belt conveyor, identified as load out conveyor, rated at 35,000 bushels/hour to connect the leg to the load out, constructed in 2003;
- (i) One 10 x 11 feet (ft) grain dump, identified as N dump, with a maximum capacity of 1,000 bushels, constructed in 1987. PM is controlled by the application of oil in boot pit;

- (j) One (1) 26.2 million British thermal units (MMBtu/hr), natural gas-fired column grain dryer, identified as Big Dryer, with a maximum capacity of 5,000 bushels per hour, with plate perforation of 0.078 inch, constructed in 1996;
- (k) One (1) 26.2 million British thermal units (MMBtu/hr), natural gas-fired column grain dryer, identified as Little Dryer, with a maximum capacity of 3,500 bushels per hour, with plate perforation of 0.078 inch, constructed in 1989;
- (l) Two (2) 50 ft. diameter x 100 ft. height concrete silos, identified as Silo 1 and 2, with a total capacity of 175,000 bushels, constructed in 1987;
- (m) One (1) 240 x 720 ft. flat storage building, identified as Butler Bldg., with a capacity of 4.8 million bushels, constructed in 2005;
- (n) One (1) concrete slab for open gain stockpile, constructed in 2005;
- (o) Four (4) concrete storage silos, identified as No. 3 and 4 constructed in 1994 and No. 5 and 6 constructed in 1996, each with a storage capacity of 210,000 bushels, each exhausting through air vents located at the top of the silos;
- (p) Six (6) enclosed belt conveyors, identified as Silo 3 and 4 top load and N tunnel conveyors, constructed in 1994 also Silo 5 and 6 Load and Unload, constructed in 1996, each with a capacity of 25,000 bushels per hour; and
- (q) One (1) enclosed drag conveyor, identified as Silo 4 bottom conveyor, with a capacity of 7,500 bushels per hour, constructed in 1994.

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, M103-26888-00005, 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. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). 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 Certification

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.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 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]

If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) 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.

B.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M103-26888-00005 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 ninety (90) 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 the certification 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least ninety (90) days prior to the date of the expiration of this permit; and

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified 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
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(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)]

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
- (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
Permits Branch, 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 the certification 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 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.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.

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 5-1-3 (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 or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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

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

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

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

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
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 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. 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) 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. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

Compliance Monitoring Requirements [326 IAC 2-6.1-5(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.

C.12 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.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

- (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; and/or

- (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions 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 take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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 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, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) Two (2) concrete silos, one (1) with a storage capacity of 550,000 bushels of grain, identified at Silo 7 and one (1) with a storage capacity of 600,000 bushels of grain, identified at Silo 8, constructed in 2000.
- (b) One (1) grain receiving totally enclosed conveyor, identified at Butler Bldg. Load, with a maximum rate of 25,000 bushels per hour, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the Butler Bldg. Load is considered grain receiving;
- (c) One (1) bin emptying totally enclosed conveyor, identified as Silo 7 and 8 unload, with a maximum rate of 30,000 bushels per hour, constructed in 2000. Under NSPS, 40 CFR 60, Subpart DD, Silo 7 and 8 unload are considered grain handling;
- (d) Two (2) 22,500 bushels/hour receiving legs, identified at E and W legs, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, E and W legs are considered grain handling;
- (e) One (1) 35,000 bushels/hour load out leg, identified as Load out/Wet leg, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the Load out/Wet leg is considered grain handling;
- (f) One (1) 15,000 bushels/hour grain leg, identified as Dry leg, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the Dry leg is considered grain handling;
- (g) One (1) 60,000 bushels/hour rail load out, identified at rail out load, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the rail out load is considered grain handling;
- (h) One (1) 80-foot enclosed belt conveyor, identified as load out conveyor, rated at 35,000 bushels/hour to connect the leg to the load out, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the load out conveyor is considered grain handling;
- (i) One 10 x 11 feet (ft) grain dump, identified as N dump, with a maximum capacity of 1,000 bushels, constructed in 1987. PM is controlled by the application of oil in boot pit. Under NSPS, 40 CFR 60, Subpart DD, the N dump is considered grain handling;
- (j) One (1) 26.2 million British thermal units (MMBtu/hr), natural gas-fired column grain dryer, identified as Big Dryer, with a maximum capacity of 5,000 bushels per hour, with plate perforation of 0.078 inch, constructed in 1996. Under NSPS, 40 CFR 60, Subpart DD, the Big Dryer is considered grain drying;
- (k) One (1) 26.2 million British thermal units (MMBtu/hr), natural gas-fired column grain dryer, identified as Little Dryer, with a maximum capacity of 3,500 bushels per hour, with plate perforation of 0.078 inch, constructed in 1989. Under NSPS, 40 CFR 60, Subpart DD, the Little Dryer is considered grain drying;
- (l) Two (2) 50 ft. diameter x 100 ft. height concrete silos, identified as Silo 1 and 2, with a total capacity of 175,000 bushels, constructed in 1987;
- (m) One (1) 240 x 720 ft. flat storage building, identified as Butler Bldg., with a capacity of 4.8 million bushels, constructed in 2005;

- (n) One (1) concrete slab for open gain stockpile, constructed in 2005;
 - (o) Four (4) concrete storage silos, identified as No. 3 and 4 constructed in 1994 and No. 5 and 6 constructed in 1996, each with a storage capacity of 210,000 bushels, each exhausting through air vents located at the top of the silos;
 - (p) Six (6) enclosed belt conveyors, identified as Silo 3 and 4 top load and N tunnel conveyors, constructed in 1994 also Silo 5 and 6 Load and Unload, constructed in 1996, each with a capacity of 25,000 bushels per hour. Under NSPS, 40 CFR 60, Subpart DD, Silo 3 and 4 top load, N tunnel conveyors, Silo 5 and 6 Load and Unload are considered grain handling; and
 - (q) One (1) enclosed drag conveyor, identified as Silo 4 bottom conveyor, with a capacity of 7,500 bushels per hour, constructed in 1994. Under NSPS, 40 CFR 60, Subpart DD, Silo 4 bottom conveyor is considered grain handling.
- (The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

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

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

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable PM emission rate from the two (2) dryers, grain receiving, grain internal handling, bin loading and shipping (rail) shall not exceed the allowable PM emission rate as follows, calculated using their maximum process weight rate:

Emission Units	326 IAC 6-3-2 Limit (lbs/hr)
Butler Bldg. Load	73.06
Silo 7 and 8 Unload	75.35
E and W Legs	71.76
Load out/Wet leg	77.33
Dry leg	66.89
Rail out load	84.49
Load out conveyor	77.33
Big Dryer	54.72
Little Dryer	51.07
Silo 3 and 4, top load, N tunnel, Silos 5 and 6, Load and Unload	73.06
Drag conveyor	59.03

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

Interpolation and extrapolation of the data for the process weight rate in excess of 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

The source shall apply mineral oil to the conveyor right after the grain is dumped into the N Dump Pit at all times that grain is received at the plant and the process enclosure shall be in place at all times the process is in operation.

D.1.2 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 this facility.

Compliance Determination Requirements

D.1.3 PM Control Emissions

- (a) The source shall apply mineral oil to the conveyor right after the grain is dumped into the N Dump Pit at all times that grain is received at the plant, at a rate of 0.02 percent by weight.
- (b) The grain receiving and the bin emptying process enclosure shall be in place at all times the process is in operation.

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

D.1.4 Record Keeping Requirement

- (a) To document compliance with Condition D.1.1, the Permittee shall keep records of grain being processed at the plant annually.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements of this permit.

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) Two (2) concrete silos, one (1) with a storage capacity of 550,000 bushels of grain, identified at Silo 7 and one (1) with a storage capacity of 600,000 bushels of grain, identified at Silo 8, constructed in 2000;
- (b) One (1) grain receiving totally enclosed conveyor, identified at Butler Bldg. Load, with a maximum rate of 25,000 bushels per hour, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the Butler Bldg. Load is considered grain receiving;
- (c) One (1) bin emptying totally enclosed conveyor, identified as Silo 7 and 8 unload, with a maximum rate of 30,000 bushels per hour, constructed in 2000. Under NSPS, 40 CFR 60, Subpart DD, Silo 7 and 8 unload are considered grain handling;
- (d) Two (2) 22,500 bushels/hour receiving legs, identified at E and W legs, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, E and W legs are considered grain handling;
- (e) One (1) 35,000 bushels/hour load out leg, identified as Load out/Wet leg, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the Load out/Wet leg is considered grain handling;
- (f) One (1) 15,000 bushels/hour grain leg, identified as Dry leg, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the Dry leg is considered grain handling;
- (g) One (1) 60,000 bushels/hour rail load out, identified at rail out load, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the rail out load is considered grain handling;
- (h) One (1) 80-foot enclosed belt conveyor, identified as load out conveyor, rated at 35,000 bushels/hour to connect the leg to the load out, constructed in 2003. Under NSPS, 40 CFR 60, Subpart DD, the load out conveyor is considered grain handling;
- (i) One 10 x 11 feet (ft) grain dump, identified as N dump, with a maximum capacity of 1,000 bushels, constructed in 1987. PM is controlled by the application of oil in boot pit. Under NSPS, 40 CFR 60, Subpart DD, the N dump is considered grain handling;
- (j) One (1) 26.2 million British thermal units (MMBtu/hr), natural gas-fired column grain dryer, identified as Big Dryer, with a maximum capacity of 5,000 bushels per hour, with plate perforation of 0.078 inch, constructed in 1996. Under NSPS, 40 CFR 60, Subpart DD, the Big Dryer is considered grain drying;
- (k) One (1) 26.2 million British thermal units (MMBtu/hr), natural gas-fired column grain dryer, identified as Little Dryer, with a maximum capacity of 3,500 bushels per hour, with plate perforation of 0.078 inch, constructed in 1989. Under NSPS, 40 CFR 60, Subpart DD, the Little Dryer is considered grain drying;
- (l) Two (2) 50 ft. diameter x 100 ft. height concrete silos, identified as Silo 1 and 2, with a total capacity of 175,000 bushels, constructed in 1987;
- (m) One (1) 240 x 720 ft. flat storage building, identified as Butler Bldg., with a capacity of 4.8 million bushels, constructed in 2005;

- (n) One (1) concrete slab for open gain stockpile, constructed in 2005;
- (o) Four (4) concrete storage silos, identified as No. 3 and 4 constructed in 1994 and No. 5 and 6 constructed in 1996, each with a storage capacity of 210,000 bushels, each exhausting through air vents located at the top of the silos;
- (p) Six (6) enclosed belt conveyors, identified as Silo 3 and 4 top load and N tunnel conveyors, constructed in 1994 also Silo 5 and 6 Load and Unload, constructed in 1996, each with a capacity of 25,000 bushels per hour. Under NSPS, 40 CFR 60, Subpart DD, Silo 3 and 4 top load, N tunnel conveyors, Silo 5 and 6 Load and Unload are considered grain handling; and
- (q) One (1) enclosed drag conveyor, identified as Silo 4 bottom conveyor, with a capacity of 7,500 bushels per hour, constructed in 1994. Under NSPS, 40 CFR 60, Subpart DD, Silo 4 bottom conveyor is considered grain handling.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]

The provisions of 40 CFR 60, Subpart A - General Provisions, which are incorporated as 326 IAC 2-1, apply to this facility described in this section except when otherwise specified in 40 CFR 60, Subpart DD.

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference as 326 IAC 12-1 for the grain terminal elevator except as otherwise specified in 40 CFR 60, Subpart DD.
- (b) Pursuant to 40 CFR 60.10, the Permittee shall submit all required notifications and reports to:

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

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

Pursuant to 40 CFR Part 60, Subpart DD, the Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart DD (included as Attachment A), which are incorporated by reference as 326 IAC 12.

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

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**MINOR SOURCE OPERATING PERMIT (MSOP)
CERTIFICATION**

Source Name: Kokomo Grain Company, Inc.
Source Address: East Pennsylvania
Mailing Address: P.O. Box 745, Kokomo, Indiana 46903-0745
MSOP Permit No.: M103-26888-00005

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE 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:	Kokomo Grain Company, Inc.
Address:	East Pennsylvania
City:	Amboy, Indiana 46911
Phone #:	(765) 236-4163
MSOP #:	M103-26888-00005

I hereby certify that Kokomo Grain Company, Inc. is :

still in operation.

no longer in operation.

I hereby certify that Kokomo Grain Company, Inc. is :

in compliance with the requirements of MSOP M103-26888-00005.

not in compliance with the requirements of MSOP M103-26888-00005.

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 ?____, 100 TONS/YEAR CARBON MONOXIDE ?____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

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

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

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

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

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

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

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

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

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

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

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

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

326 IAC 1-6-1 Applicability of rule

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

326 IAC 1-2-39 "Malfunction" definition

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

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

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

Attachment A, NSPS Subpart DD
Kokomo Grain Company, Inc.
East Pennsylvania
Amboy, Indiana

New Source Performance Standards For Grain Elevators, 40 CFR 60, Subpart DD

60.300 Applicability and designation of affected facility.

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

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

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

§ 60.301 Definitions.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

§ 60.302 Standard for particulate matter.

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

(1) Column dryer with column plate perforation exceeding 2.4 mm diameter (ca. 0.094 inch).

(2) Rack dryer in which exhaust gases pass through a screen filter coarser than 50 mesh.

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

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

(2) Exhibits greater than 0 percent opacity.

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

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

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

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

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

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

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

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

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

60.303 Test methods and procedures.

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

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

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

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

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

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

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

[54 FR 6674, Feb. 14, 1989]

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

Technical Support Document (TSD) for a Minor Source Operating Permit Renewal

Source Background and Description

Source Name:	Kokomo Grain Company, Inc.
Source Location:	East Pennsylvania, Amboy, Indiana 46911
County:	Miami
SIC Code:	4221
Permit Renewal No.:	M103-26888-00005
Permit Reviewer:	Marcia Earl

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Kokomo Grain Company, Inc. relating to the operation of a grain terminal elevator.

History

On August 18, 2008, Kokomo Grain Company, Inc. submitted an application to the OAQ requesting to renew its operating permit. Kokomo Grain Company, Inc. was issued a MSOP 103-18133-00005 on November 18, 2003. Pursuant to M103-18133-00005, the source only has the capability to process 20,000,000 bushels of grain per year.

Permitted Emission Units and Pollution Control Equipment

- (a) Two (2) concrete silos, one (1) with a storage capacity of 550,000 bushels of grain, identified at Silo 7 and one (1) with a storage capacity of 600,000 bushels of grain, identified at Silo 8, constructed in 2000;
- (b) One (1) grain receiving totally enclosed conveyor, identified at Butler Bldg. Load, with a maximum rate of 25,000 bushels per hour, constructed in 2003;
- (c) One (1) bin emptying totally enclosed conveyor, identified as Silo 7 and 8 unload, with a maximum rate of 30,000 bushels per hour, constructed in 2000;
- (d) Two (2) 22,500 bushels/hour receiving legs, identified as E and W legs, constructed in 2003;
- (e) One (1) 35,000 bushels/hour load out leg, identified as Load out/Wet leg, constructed in 2003;
- (f) One (1) 15,000 bushels/hour grain leg, identified as Dry leg, constructed in 2003;
- (g) One (1) 60,000 bushels/hour rail load out, identified as rail out load, constructed in 2003;
- (h) One (1) 80-foot enclosed belt conveyor, identified as load out conveyor, rated at 35,000 bushels/hour to connect the leg to the load out, constructed in 2003;
- (i) One 10 x 11 feet (ft) grain dump, identified as N dump, with a maximum capacity of 1,000 bushels, constructed in 1987. Particulate Matter is controlled by the application of mineral oil in the N dump pit;

- (j) One (1) 26.2 million British thermal units (MMBtu/hr), natural gas-fired column grain dryer, identified as Big Dryer, with a maximum capacity of 5,000 bushels per hour, with plate perforation of 0.078 inch, constructed in 1996;
- (k) One (1) 26.2 million British thermal units (MMBtu/hr), natural gas-fired column grain dryer, identified as Little Dryer, with a maximum capacity of 3,500 bushels per hour, with plate perforation of 0.078 inch, constructed in 1989;
- (l) Two (2) 50 ft. diameter x 100 ft. height concrete silos, identified as Silo 1 and 2, with a total capacity of 175,000 bushels, constructed in 1987;
- (m) One (1) 240 x 720 ft. flat storage building, identified as Butler Bldg., with a capacity of 4.8 million bushels, constructed in 2005;
- (n) One (1) concrete slab for open gain stockpile, constructed in 2005;
- (o) Four (4) concrete storage silos, identified as No. 3 and 4 constructed in 1994 and No. 5 and 6 constructed in 1996, each with a storage capacity of 210,000 bushels, each exhausting through air vents located at the top of the silos;
- (p) Six (6) enclosed belt conveyors, identified as Silos 3 and 4 top load and N tunnel conveyors, constructed in 1994 also Silos 5 and 6 Load and Unload, constructed in 1996, each with a capacity of 25,000 bushels per hour; and
- (q) One (1) enclosed drag conveyor, identified as Silo 4 bottom conveyor, with a capacity of 7,500 bushels per hour, constructed in 1994.

Existing Approvals

Since the issuance of the MSOP 103-18133-00005 on November 18, 2003, the source has constructed or has been operating under the following approval as well:

MSOP Notice-Only Change 103-19736-00005 issued on July 27, 2004.

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A, pages 1 through 7 of this document for detailed emission calculations.

County Attainment Status

The source is located in Miami County

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

- (a) Ozone Standards
- (1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.
 - (2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph as attainment for the 8-hour ozone standard.
 - (3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.
 - (4) 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. Miami 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) PM_{2.5}
 Miami County has been classified as attainment for PM_{2.5}. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions, and the effective date of these rules was July 15th, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions until 326 IAC 2-2 is revised.
- (c) Other Criteria Pollutants
 Miami County has been classified as attainment or unclassifiable in Indiana for PM₁₀, SO₂, CO and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Pollutant	tons/year
PM	148.08
PM ₁₀	45.56
PM _{2.5}	9.20
SO ₂	0.14
VOC	1.26
CO	19.28
NO _x	22.96

HAPs	tons/year
Benzene	2.410E-04
Dichlorobenzene	1.377E-04
Formaldehyde	8.607E-03
Hexane	2.066E-01
Toluene	3.902E-04
Total	0.43

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of PM is greater than twenty-five (25) tons per year. The PTE of all other regulated criteria pollutants are less than one-hundred (100) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A Minor Source Operating Permit (MSOP) will be issued.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year.

Potential to Emit After Issuance

- (a) This existing stationary source is not major for PSD because the emissions of each criteria pollutant are less than two hundred fifty (<250) tons per year, and it is not one of the twenty-eight (28) listed source categories.
- (b) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Federal Rule Applicability

The following federal rule is applicable to the source:

- (a) Kokomo Grain Company, Inc. is subject to the New Source Performance Standard for Grain Elevators (40 CFR 60.300, Subpart DD), which is incorporated by reference as 326 IAC 12. This source, which is a grain terminal elevator with storage capacity greater than 2.5 million bushels is subject to this NSPS since it was constructed after August 3, 1978.

Nonapplicable portions of the NSPS will not be included in the permit. Kokomo Grain Company, Inc. is subject to the following portions of Subpart DD.

- (1) 40 CFR 60.300.

- (2) 40 CFR 60.301
 - (3) 40 CFR 60.302(c)
 - (4) 40 CFR 60.303(b)
- (b) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit renewal.

State Rule Applicability - Entire Source

- (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 source is not a major stationary source, under PSD (326 IAC 2-2), because the potential to emit of all attainment regulated pollutants are less than two hundred-fifty (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). Therefore, pursuant to 326 IAC 2-2, the PSD requirements are not applicable to this source.
- (c) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is 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 2-4.1.
- (d) 326 IAC 2-6 (Emission Reporting)
Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 is not applicable to this source.
- (e) 326 IAC 5-1 (Opacity Limitations)
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in the permit and the NSPS, 40 CFR Part 60.300, Subpart DD:
- (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.
- (f) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.
- (g) 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
The source is not located in any areas listed in 326 IAC 6-5-1. The fugitive particulate emissions are negligible. Pursuant to 326 IAC 6-5-7(d), this source is not subject to the requirements of 326 IAC 6-5.

State Rule Applicability – Individual Facilities

- (h) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable PM emission rate from the two (2) dryers, grain receiving, grain internal handling, bin loading and shipping (rail) shall not exceed the allowable PM emission rate as follows, calculated using their maximum process weight rate:

Emission Units	326 IAC 6-3-2 Limit (lbs/hr)
Butler Bldg. Load	73.06
Silo 7 and 8 Unload	75.35
E and W Legs	71.76
Load out/Wet leg	77.33
Dry leg	66.89
Rail out load	84.49
Load out conveyor	77.33
Big Dryer	54.72
Little Dryer	51.07
Silo 3 and 4, top load, N tunnel, Silos 5 and 6, Load and Unload	73.06
Drag conveyor	59.03

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

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

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

The source shall apply mineral oil to the conveyor right after the grain is dumped into the N Dump Pit at all times that grain is received at the plant and the process enclosure shall be in place at all times the process is in operation.

Recommendation

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

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on August 18, 2008.

Conclusion

The operation of this grain terminal elevator shall be subject to the conditions of the attached MSOP Renewal No. M103-26888-00005.

Appendix A: Emission Summary

Company Name: Kokomo Grain Company, Inc.
Address City Zip: East Pennsylvania, Amboy, Indiana 46911
Permit No: M103-26888-00005
Reviewer: Marcia Earl
Date: August 2008

Uncontrolled Emissions

Emission Units	PM	PM₁₀	PM_{2.5}	SO₂	VOC	CO	NOx	HAPs
Two (2) Dryers (Combustion)	0.44	1.74	1.74	0.14	1.26	19.28	22.96	0.43
Two (2) Dryers (Drying)	61.60	15.40	2.63	0.00	0.00	0.00	0.00	0.00
Grain Receiving	50.40	16.52	2.80	0.00	0.00	0.00	0.00	0.00
Grain Internal Handling	17.08	9.52	1.62	0.00	0.00	0.00	0.00	0.00
Bin Loading	7.00	1.76	0.31	0.00	0.00	0.00	0.00	0.00
Shipping (Rail)	7.56	0.62	0.10	0.00	0.00	0.00	0.00	0.00
Total	144.08	45.56	9.20	0.14	1.26	19.28	22.96	0.43

Controlled Emissions

Emission Units	PM	PM₁₀	PM_{2.5}	SO₂	VOC	CO	NOx	HAPs
Two (2) Dryers (Combustion)	0.44	1.74	1.74	0.14	1.26	19.28	22.96	0.43
Two (2) Dryers (Drying)	61.60	15.40	2.63	0.00	0.00	0.00	0.00	0.00
Grain Receiving	50.40	16.52	2.80	0.00	0.00	0.00	0.00	0.00
Grain Internal Handling	1.71	0.95	0.16	0.00	0.00	0.00	0.00	0.00
Bin Loading	2.10	0.53	0.09	0.00	0.00	0.00	0.00	0.00
Shipping (Rail)	2.26	0.18	0.03	0.00	0.00	0.00	0.00	0.00
Total	118.51	35.32	7.45	0.14	1.26	19.28	22.96	0.43

Appendix A: Emission Calculations

Company Name: Kokomo Grain Company, Inc.
Address City Zip: East Pennsylvania, Amboy, Indiana 46911
Permit No: M103-26888-00005
Reviewer: Marcia Earl
Date: August 2008

Uncontrolled Potential to Emit (tons/year)					
	Grain Receiving (truck)	Internal Operations	Bin Loading	Shipping	Total
Bushels Throughput (bu/yr)	20,000,000	20,000,000	20,000,000	20,000,000	
Grain Weight (lb/ton)	56	56	56	56	
PM Emission Factor (lb/ton)	0.18	0.061	0.025	0.027	
PM ₁₀ Emission Factor (lb/ton)	0.059	0.034	0.0063	0.0022	
PM _{2.5} Emission Factor (lb/ton)	0.010	0.0058	0.0011	0.00037	
Potential PM Emissions (ton/yr)	50.40	17.08	7.00	7.56	82.04
Potential PM ₁₀ Emissions (ton/yr)	16.52	9.52	1.76	0.62	28.42
Potential PM _{2.5} Emissions (ton/yr)	2.80	1.62	0.31	0.10	4.83

Controlled Potential to Emit (tons/year)					
	Grain Receiving (truck)	Internal Operations	Bin Loading	Shipping	Total
Potential PM Emissions (ton/yr)	50.40	17.08	7.00	7.56	
Potential PM ₁₀ Emissions (ton/yr)	16.52	9.52	1.76	0.62	
Potential PM _{2.5} Emissions (ton/yr)	2.80	1.62	0.31	0.10	
Control Equipment	N/A*	mineral oil and enclosure	mineral oil	mineral oil	
Control Efficiency	0.00%	90.00%	70.00%	70.00%	
Potential PM Emissions (ton/yr)	50.40	1.71	2.10	2.26	56.47
Potential PM ₁₀ Emissions (ton/yr)	16.52	0.95	0.53	0.19	18.19
Potential PM _{2.5} Emissions (ton/yr)	2.80	0.16	0.09	0.03	3.08

* N/A = Not Applicable

Note: Mineral oil is added to the grain after it is received, thus mineral oil control applies to all operations except grain receiving.

Methodology:

Emission Factor are from AP-42, Table 9.9.1-1 (5/2003)

Uncontrolled PM/PM₁₀/PM_{2.5} Emissions (tons/yr) = throughput, bu/yr * grain wt, lb/bu * ton/2000 lb * Emission Factor lb/ton * ton/2000 lb

Controlled PM/PM₁₀/PM_{2.5} Emissions (tons/yr) = Uncontrolled PM/PM₁₀/PM_{2.5} Emissions *(1-Control Efficiency)

Appendix A: Emission Calculations

Company Name: Kokomo Grain Company, Inc.
Address City Zip: East Pennsylvania, Amboy, Indiana 46911
Permit No: M103-26888-00005
Reviewer: Marcia Earl
Date: August 2008

Grain Drying Operation Emissions: 2 Dryers each 26.19 MMBtu/hr (1 @ 3,500 bushels/hr and 1 @ 5,000 bushels/hr)

Drying Operation (Capacity)	Bushel Weight (lb/bu)	PM Emission Factor (lbs/ton)	PM ₁₀ Emission Factor (lbs/ton)	PM _{2.5} Emission Factor (lbs/ton)	Potential Uncontrolled PM Emissions (tons/yr)	Potential Uncontrolled PM ₁₀ Emissions (tons/yr)	Potential Uncontrolled PM _{2.5} Emissions (tons/yr)
20,000,000 (bu/yr)	56	0.22	0.055	0.0094	61.60	15.40	2.63

Drying Operation (Capacity)	Bushel Weight (lb/bu)	PM Emission Factor (lbs/ton)	PM ₁₀ Emission Factor (lbs/ton)	PM _{2.5} Emission Factor (lbs/ton)	Potential Controlled PM Emissions (tons/yr)	Potential Controlled PM ₁₀ Emissions (tons/yr)	Potential Controlled PM _{2.5} Emissions (tons/yr)
20,000,000 (bu/yr)	56	0.22	0.055	0.0094	61.60	15.40	2.63

Methodology:

Emission factors are from AP-42 Chapter 9-9, Table 9.9.1- (5/2003)

Potential Uncontrolled Particulate Emissions (tons/yr) = Dryer Capacity (bu/hr) * Bushel Weight (lbs/bu) * (1 tons/2,000 lbs) * Particulate Emission Factor (lbs/PM/PM₁₀/PM_{2.5}/ton) * (8,760 hr/yr) * (1 ton/2,000 lbs)

Potential Controlled Particulate Emissions (tons/yr) = Potential uncontrolled particulate emissions (tons/yr) * [1- (Capture Efficiency) * Control Efficiency]

Although the 2 dryers have bigger capacities, the potential to emit (PTE) will be based on the throughput that the source can only handle.

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Natural Gas Fired Grain Dryer**

Company Name: Kokomo Grain Company, Inc.
Address City IN Zip: East Pennsylvania, Amboy, Indiana 46911
Permit Number: M103-26888-00005
Reviewer: Marcia Earl
Date: August 2008

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

26.20

229.5

Capacity @ 5,000 bushel per hour	Pollutant						
	PM*	PM ₁₀ *	PM _{2.5} *	SO ₂	NOx	VOC	CO
Emission Factor in lb/MMCF	1.90	7.60	7.60	0.60	100.00 **see below	5.50	84.00
Potential Emission in tons/yr	0.22	0.87	0.87	0.07	11.48	0.63	9.64

*PM emission factor is filterable PM only. PM₁₀ and PM_{2.5} emission factors are filterable and condensable 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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

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 (SUPPLEMENT D 7/98)

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

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Natural Gas Fired Grain Dryer
HAPs Emissions

Company Name: Kokomo Grain Company, Inc.
Address City IN Zip: East Pennsylvania, Amboy, Indiana 46911
Permit Number: M103-26888-00004
Reviewer: Marcia Earl
Date: August 2008

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	2.410E-04	1.377E-04	8.607E-03	2.066E-01	3.902E-04

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	5.738E-05	1.262E-04	1.607E-04	4.361E-05	2.410E-04

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Methodology

All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
 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
 (SUPPLEMENT D 7/98)
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Natural Gas Fired Grain Dryer**

Company Name: Kokomo Grain Company, Inc.
Address City IN Zip: East Pennsylvania, Amboy, Indiana 46911
Permit Number: M103-26888-00005
Reviewer: Marcia Earl
Date: August 2008

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

26.20

229.51

Capacity @ 3,500 bushel per hour

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM ₁₀ *	PM _{2.5} *	SO ₂	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100.0	5.5	84.0
					**see below		
Potential Emission in tons/yr	0.22	0.87	0.87	0.07	11.48	0.63	9.64

*PM emission factor is filterable PM only. PM₁₀ and PM_{2.5} emission factors are filterable and condensable 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

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

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 (SUPPLEMENT D 7/98)

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

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Natural Gas Fired Grain Dryer
 HAPs Emissions**

Company Name: Kokomo Grain Company, Inc.
Address City IN Zip: East Pennsylvania, Amboy, Indiana 46911
Permit Number: M103-26888-00005
Reviewer: Marcia Earl
Date: August 2008

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	2.410E-04	1.377E-04	8.607E-03	2.066E-01	3.902E-04

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	5.738E-05	1.262E-04	1.607E-04	4.361E-05	2.410E-04

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Methodology

All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
 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 (SUPPLEMENT D 7/98)
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton