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: November 18, 2009

RE: Kokomo Grain Company / 067 - 28264 - 00006

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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Minor Source Operating Permit Renewal
OFFICE OF AIR QUALITY

Kokomo Grain Company, Inc.
1002 West Morgan Street
Kokomo, Indiana 46901

(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.: M067-28264-00006	
Issued by: Alfred C. Dumaual, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: November 18, 2009 Expiration Date: November 18, 2019

TABLE OF CONTENTS

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:	1002 West Morgan Street, Kokomo, Indiana 46901
Mailing Address:	P.O.Box 745, Kokomo, Indiana 46903-0745
General Source Phone Number:	(765) 236-4163
SIC Code:	5153
County Location:	Howard
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

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

(a) One (1) grain receiving area, constructed in 1974, consisting of the following:

(1) Two (2) truck dump pits, identified as #1 and #2, each receiving a maximum throughput of 15,000 bushels of grain per hour, with particulate emissions controlled by a baghouse, and exhausting to the atmosphere.

(b) Inbound Internal handling system, in 1974, with mineral oil applied after grain is dumped during the first move of conveying, exhausting to the atmosphere and consisting of the following:

(1) One (1) enclosed conveyor, with a maximum throughput of 15,000 bushels of grain per hour, and;

(2) One (1) open belt conveyor, with a maximum throughput of 15,000 bushels of grain per hour, and;

(3) One (1) enclosed bucket elevator, with a maximum throughput of 20,000 bushels of grain per hour, and one (1) enclosed bucket elevator, with a maximum throughput of 15,000 bushels of grain per hour. The two (2) bucket elevators empty into the following:

(A) Four (4) open belts, with a maximum throughput of 20,000 bushels of grain per hour, feeding concrete four (4) silos identified as #27, #28, #29 and #30 and;

(B) One (1) enclosed belt, with a maximum throughput of 20,000 bushels of grain per hour, feeding four (4) open belt bins identified as #22, #23, #31 and #32 and;

(C) Three (3) enclosed belts, with a maximum throughput of 40,000 bushels of grain per hour, feeding two (2) bins identified as #3 and #4 and feeding load out identified as #24 and;

(D) Three (3) open belts, with a maximum throughput of 10,000 bushels of grain per hour, feeding two (2) bins identified as #25 and #26 and;

(E) One (1) enclosed drag conveyor, with a maximum throughput of 10,000 bushels of grain per hour, feeding three (3) bins identified as #9, #10 and #11 and;

(F) One (1) enclosed belt, with a maximum throughput of 21,000 bushels of grain per hour, feeding flat storage building identified as #33 and;

(G) One (1) enclosed conveyor, with a maximum throughput of 12,000 bushels of grain per hour, feeding the grain dryer.

(c) Grain storage, total capacity of 8.2 million bushels of grain, using mineral oil as a dust suppressant, exhausting indoors, and consisting of the following:

(1) Four (4)concrete silos, identified as #27, #28, #29 and #30, constructed in 1974, each with a storage capacity of 80,000 bushels of grain, and;

(2) Two (2) open belt bins, identified as #22 and #23, constructed in 1974, each with a storage capacity of 250,000 bushels of grain, and;

(3) One (1) open belt bins, identified as #31, constructed in 1974, with a storage capacity of 650,000 bushels of grain, and;

(4) One (1) open belt bins, identified as #32, constructed in 1974, with a storage capacity of 740,000 bushels of grain, and;

(5) Two (2) bins, identified as #3 and #4, constructed in 1974, each with a storage capacity of 250,000 bushels of grain, and;

(6) Two (2) bins, identified as #25 and #26, constructed in 1974, each with a storage capacity of 150,000 bushels of grain, and;

(7) Three (3) bins, identified as #9, #10 and #11, constructed in 1974, each with a storage capacity of 20,000 bushels of grain, and;

(8) One (1) flat storage building, identified as #33, constructed in 1986, with a storage capacity of 5,000,000 bushels of grain, and;

(9) Five (5) storage bins, identified as #5, #6, #19, #20 and #21, constructed in 1974, each with a storage capacity of 3,000 bushels of grain, and;

(10) One (1) storage bin, identified as #7, constructed in 1974, with a storage capacity of 6,000 bushels of grain, and;

(11) One (1) storage bin, identified as #14, constructed in 1974, with a storage capacity of 80,000 bushels of grain.

(d) Outbound handling from storage, using mineral oil as a dust suppressant, exhausting to the atmosphere, and consisting of the following:

(1) One (1) open belt, constructed in 1974, with a maximum throughput of 20,000 bushels of grain per hour, from four (4) concrete silos, identified as #27, #28, #29 and #30, and;

(2) One (1) enclosed belt and three (3) enclosed drag conveyors, constructed in 1974, each with a maximum throughput of 20,000 bushels of grain per hour, all from flat storage building, identified as #33, and;

(3) One (1) enclosed belt, constructed in 1998, with a maximum throughput of 25,000 bushels of grain per hour, from bins identified as #22, #23, #31 and #32, and;

Under the NSPS for Grain Elevators (40 CFR 60.300, Subpart DD), the one (1) enclosed belt, constructed in 1998, is considered an affected facility.

(4) Four (4) enclosed drag conveyors, constructed in 1974, one (1) with a maximum throughput of 30,000 bushels of grain per hour and three (3) with a maximum throughput of 10,000 bushels of grain per hour, all from rail load out.

(5) One (1) enclosed drag, constructed in 1974, with a maximum throughput of 12,000 bushels of grain per hour, from bins identified as #25 and #26.

(6) One (1) enclosed drag, constructed in 1974, with a maximum throughput of 10,000 bushels of grain per hour, from bins identified as #9, #10 and #11.

(7) One (1) enclosed drag, constructed in 1974, with a maximum throughput of 5,000 bushels of grain per hour, from bin identified as #7.

(8) One (1) enclosed auger, constructed in 1974, with a maximum throughput of 2,000 bushels of grain per hour, from bins identified as #19, #20 and #21.

(9) Two (2) enclosed bucket elevators, constructed in 1974, one (1) with a maximum throughput of 10,000 bushels of grain per hour and one (1) with a maximum throughput of 12,000 bushels of grain per hour, both from the dryer.

(e) One (1) 96.9 million British thermal units (MMBtu) per hour natural gas-fired column grain dryer, including a settling chamber and a column plate with perforations of 0.078 and 0.063 inches in diameter, constructed in 1998, with a maximum capacity of 10,000 bushels per hour, and exhausting to the atmosphere.

Under the NSPS for Grain Elevators (40 CFR 60.300, Subpart DD), the dryer, constructed in 1998, is considered an affected facility.

(f) One (1) grain shipping area, constructed in 1974, with a maximum capacity of 35,000 bushels of grain per hour, and exhausting to the atmosphere.

(g) Fugitive emissions from paved roads and parking lots.

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, M067-28264-00006, 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

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

B.10 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) 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) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do 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.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of permits established prior to M067-28264-00006 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

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

B.12 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

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

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and

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

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

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

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

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

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

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

The application which shall be submitted by the Permittee does require 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 due within thirty (30) calendar days of receipt of a bill from IDEM, OAQ.

(b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

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

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

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

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require 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.9 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.10 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.11 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.12 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.13 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.14 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.15 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.16 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 or ninety (90) days of initial start-up, whichever is later.

C.17 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) Reports required by conditions in Section D of this permit shall be submitted to:

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

(b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) 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) One (1) grain receiving area, constructed in 1974, consisting of the following:

(1) Two (2) truck dump pits, identified as #1 and #2, each receiving a maximum throughput of 15,000 bushels of grain per hour, with particulate emissions controlled by a baghouse, and exhausting to the atmosphere.

(b) Inbound Internal handling system, in 1974, with mineral oil applied after grain is dumped during the first move of conveying, exhausting to the atmosphere and consisting of the following:

(1) One (1) enclosed conveyor, with a maximum throughput of 15,000 bushels of grain per hour, and;

(2) One (1) open belt conveyor, with a maximum throughput of 15,000 bushels of grain per hour, and;

(3) One (1) enclosed bucket elevator, with a maximum throughput of 20,000 bushels of grain per hour, and one (1) enclosed bucket elevator, with a maximum throughput of 15,000 bushels of grain per hour. The two (2) bucket elevators empty into the following:

(A) Four (4) open belts, with a maximum throughput of 20,000 bushels of grain per hour, feeding concrete four (4) silos identified as #27, #28, #29 and #30 and;

(B) One (1) enclosed belt, with a maximum throughput of 20,000 bushels of grain per hour, feeding four (4) open belt bins identified as #22, #23, #31 and #32 and;

(C) Three (3) enclosed belts, with a maximum throughput of 40,000 bushels of grain per hour, feeding two (2) bins identified as #3 and #4 and feeding load out identified as #24 and;

(D) Three (3) open belts, with a maximum throughput of 10,000 bushels of grain per hour, feeding two (2) bins identified as #25 and #26 and;

(E) One (1) enclosed drag conveyor, with a maximum throughput of 10,000 bushels of grain per hour, feeding three (3) bins identified as #9, #10 and #11 and;

(F) One (1) enclosed belt, with a maximum throughput of 21,000 bushels of grain per hour, feeding flat storage building identified as #33 and;

(G) One (1) enclosed conveyor, with a maximum throughput of 12,000 bushels of grain per hour, feeding the grain dryer.

(c) Grain storage, total capacity of 8.2 million bushels of grain, using mineral oil as a dust suppressant, exhausting indoors, and consisting of the following:

(1) Four (4) concrete silos, identified as #27, #28, #29 and #30, constructed in 1974, each with a storage capacity of 80,000 bushels of grain, and;

(2) Two (2) open belt bins, identified as #22 and #23, constructed in 1974, each with a storage capacity of 250,000 bushels of grain, and;

(3) One (1) open belt bins, identified as #31, constructed in 1974, with a storage capacity of 650,000 bushels of grain, and;

(4) One (1) open belt bins, identified as #32, constructed in 1974, with a storage capacity of 740,000 bushels of grain, and;

(5) Two (2) bins, identified as #3 and #4, constructed in 1974, each with a storage capacity of 250,000 bushels of grain, and;

(6) Two (2) bins, identified as #25 and #26, constructed in 1974, each with a storage capacity of 150,000 bushels of grain, and;

(7) Three (3) bins, identified as #9, #10 and #11, constructed in 1974, each with a storage capacity of 20,000 bushels of grain, and;

(8) One (1) flat storage building, identified as #33, constructed in 1986, with a storage capacity of 5,000,000 bushels of grain, and;

(9) Five (5) storage bins, identified as #5, #6, #19, #20 and #21, constructed in 1974, each with a storage capacity of 3,000 bushels of grain, and;

(10) One (1) storage bin, identified as #7, constructed in 1974, with a storage capacity of 6,000 bushels of grain, and;

(11) One (1) storage bin, identified as #14, constructed in 1974, with a storage capacity of 80,000 bushels of grain.

(d) Outbound handling from storage, using mineral oil as a dust suppressant, exhausting to the atmosphere, and consisting of the following:

(1) One (1) open belt, constructed in 1974, with a maximum throughput of 20,000 bushels of grain per hour, from four (4) concrete silos, identified as #27, #28, #29 and #30, and;

(2) One (1) enclosed belt and three (3) enclosed drag conveyors, constructed in 1974, each with a maximum throughput of 20,000 bushels of grain per hour, all from flat storage building, identified as #33, and;

(3) One (1) enclosed belt, constructed in 1998, with a maximum throughput of 25,000 bushels of grain per hour, from bins identified as #22, #23, #31 and #32, and;

Under the NSPS for Grain Elevators (40 CFR 60.300, Subpart DD), the one (1) enclosed belt, constructed in 1998, is considered an affected facility.

(4) Four (4) enclosed drag conveyors, constructed in 1974, one (1) with a maximum throughput of 30,000 bushels of grain per hour and three (3) with a maximum throughput of 10,000 bushels of grain per hour, all from rail load out.

(5) One (1) enclosed drag, constructed in 1974, with a maximum throughput of 12,000 bushels of grain per hour, from bins identified as #25 and #26.

(6) One (1) enclosed drag, constructed in 1974, with a maximum throughput of 10,000 bushels of grain per hour, from bins identified as #9, #10 and #11.

(7) One (1) enclosed drag, constructed in 1974, with a maximum throughput of 5,000 bushels of grain per hour, from bin identified as #7.

(8) One (1) enclosed auger, constructed in 1974, with a maximum throughput of 2,000 bushels of grain per hour, from bins identified as #19, #20 and #21.

(9) Two (2) enclosed bucket elevators, constructed in 1974, one (1) with a maximum throughput of 10,000 bushels of grain per hour and one (1) with a maximum throughput of 12,000 bushels of grain per hour, both from the dryer.

(e) One (1) 96.9 million British thermal units (MMBtu) per hour natural gas-fired column grain dryer, including a settling chamber and a column plate with perforations of 0.078 and 0.063 inches in diameter, constructed in 1998, with a maximum capacity of 10,000 bushels per hour, and exhausting to the atmosphere.

Under the NSPS for Grain Elevators (40 CFR 60.300, Subpart DD), the dryer, constructed in 1998, is considered an affected facility.

(f) One (1) grain shipping area, constructed in 1974, with a maximum capacity of 35,000 bushels of grain per hour, and exhausting to the atmosphere.

(g) Fugitive emissions from paved roads and parking lots.

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

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

D.1.1 Particulate [326 IAC 6.5-1-2] [326 IAC 6.5-5-10]

(a) Pursuant to 326 IAC 6.5-1-2(a) particulate matter (PM) emissions from emission units constructed after January 13, 1977 including the one (1) flat storage building (#33), constructed in 1986, and one (1) enclosed belt, constructed in 1998, shall each not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

(b) Pursuant to 326 IAC 6.5-1-2(d)(1), particulate matter (PM) emissions from grain elevators that began construction or modification before January 13, 1977, and is a grain terminal elevator that has a permanent grain storage capacity of eighty-eight thousand one hundred (88,100) cubic meters (two million five hundred thousand (2,500,000) U.S. bushels) or more shall each not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

(c) Pursuant to 326 IAC 6.5-1-2(d)(2), all grain elevators subject to 326 IAC 6.5-1-2(d) shall provide for housekeeping and maintenance procedures that minimize the opportunity for particulate matter to become airborne and leave the property, such as the following:

(A) Housekeeping practices shall be conducted as follows:

(i) Areas to be swept and maintained shall include, at a minimum, the following:

(AA) General grounds, yard, and other open areas.

(BB) Floors, decks, hopper areas, loading areas, dust collectors, and all areas of dust or waste concentrations.

(CC) Grain driers with respect to accumulated particulate matter.

(ii) Cleanings and other collected waste material shall be handled and disposed of so that the area does not generate fugitive dust.

(iii) Dust from driveways, access roads, and other areas of travel shall be controlled.

(iv) Accidental spills and other accumulations shall be cleaned up as soon as possible but no later than completion of the day's operation.

(B) Equipment maintenance shall consist of procedures that eliminate or minimize emissions from equipment or a system caused by the following:

(i) Malfunctions.

(ii) Breakdowns.

(iii) Improper adjustment.

(iv) Operating above the rated or designed capacity.

(v) Not following designed operating specifications.

(vi) Lack of good preventive maintenance care.

(vii) Lack of critical and proper spare replacement parts on hand.

(viii) Lack of properly trained and experienced personnel.

(C) Emissions from the affected areas, operations, equipment, and systems shall not exceed twenty percent (20%) opacity as determined under 326 IAC 5-1.

(d) Pursuant to 326 IAC 6.5-5-10(a), the source, identified as Kokomo Grain Company in Howard County, shall meet the following emission limits:

Source	Source ID No.	Point Input ID	Process	Emission Limits tons/yr
Kokomo Grain Company	00006	18A	Shipping/Receiving 60,000 T/Yr.	4.5
			Transferring/Conveying 60,000 T/Yr.	11.1
100% natural gas			Drying 25,000 T/Yr.	

*Pursuant to 326 IAC 6.5-5-10, the "Process" gives descriptive information regarding the Shipping/Receiving, Transferring/Conveying and Drying at Kokomo Grain Company which is lower than the actual throughputs for Shipping/Receiving, Transferring/Conveying and Drying at Kokomo Grain Company. See Appendix A of the ATSD for the actual throughputs for Shipping/Receiving, Transferring/Conveying and Drying at Kokomo Grain Company.

(e) Pursuant to 326 IAC 6.5-5-10 (b), the unit for drying twenty-five thousand (25,000) t/yr located at Kokomo Grain Company, identified in subsection (a) as one hundred percent (100%) natural gas burners, shall burn only natural gas.

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 the grain receiving, grain handling, grain dryer, and grain shipping facilities and any control devices.

Compliance Determination Requirements

D.1.3 Particulate Control

(a) In order to comply with Condition D.1.1, the baghouse, for particulate control shall be in operation and control emissions from the two (2) truck dump pits at all times the two (2) truck dump pits are receiving grain.

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

(c) In order to comply with Condition D.1.1(d), the source shall apply mineral oil after grain is dumped during the first move of conveying at a rate of 0.02 percent by weight at all times the grain terminal elevator is in operation.

Compliance Monitoring Requirements [326 IAC 2-5.1-3(e)(2)] [326 IAC 2-6.1-5(a)(2)]

D.1.4 Visible Emissions Notations

(a) Visible emission notations of baghouse exhaust, used in conjunction with the two (2) truck dump pits, shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.5 Parametric Monitoring

(a) The Permittee shall record the total static pressure drop across the baghouse, used in conjunction with the two (2) truck dump pits, at least once per day when the two (2) truck dump pits are receiving grain. When for any one reading, the pressure drop across the baghouses are outside the normal range of 3.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.6 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced.

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

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

Record Keeping and Reporting Requirement

D.1.7 Record Keeping Requirements

(a) To document compliance with Condition D.1.4, the Permittee shall maintain records of visible emission notations of the baghouse exhaust, used in conjunction with the two (2) truck dump pits once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g., the process did not operate that day).

(b) To document compliance with Condition D.1.5, the Permittee shall maintain records once per day of the pressure drop across the baghouse, used in conjunction with the two (2) truck dump pits. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g., the process did not operate that day).

(c) 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:

(d) Outbound handling from storage, constructed in 1974, using mineral oil as a dust suppressant, exhausting to the atmosphere, and consisting of the following:

(3) One (1) enclosed belt, constructed in 1998, with a maximum throughput of 25,000 bushels of grain per hour, from bins identified as #22, #23, #31 and #32, and;

Under the NSPS for Grain Elevators (40 CFR 60.300, Subpart DD), the one (1) enclosed belt, constructed in 1998, is considered an affected facility.

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

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

The Permittee shall comply with the provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, except when otherwise specified in 40 CFR Part 60, Subpart DD (included as Attachment A of this permit).

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

The Permittee, which operates a stationary grain terminal elevator, shall comply with the following provisions of 40 CFR Part 60, Subpart DD (included as Attachment A of this permit):

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

MINOR SOURCE OPERATING PERMIT (MSOP) CERTIFICATION

Source Name: Kokomo Grain Company, Inc.
Source Address: 1002 West Morgan Street, Kokomo, Indiana 46901
Mailing Address: P.O.Box 745, Kokomo, Indiana 46903-0745
MSOP No.: M067-28264-00006

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)_____

☐ Report (specify)_____

☐ Notification (specify)_____

☐ Affidavit (specify)_____

☐ Other (specify)_____

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

Signature:

Printed Name:

Title/Position:

Date:

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

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:	1002 West Morgan Street
City:	Kokomo, Indiana 46901
Phone #:	(765) 236-4163
MSOP #:	M067-28264-00006

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 M067-28264-00006.
□ not in compliance with the requirements of MSOP M067-28264-00006.

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:

40 CFR 60.300, Subpart DD,
NSPS for Standards of Performance for Grain Elevators

Subpart DD—Standards of Performance for Grain Elevators

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

§ 60.300 Applicability and designation of affected facility.

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

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

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

§ 60.301 Definitions.

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

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

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

(c) *Grain terminal elevator* means any grain elevator which has a permanent storage capacity of more than 88,100 m^3 (ca. 2.5 million U.S. bushels), except those located at animal food manufacturers, pet food manufacturers, cereal manufacturers, breweries, and livestock feedlots.

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

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

(f) *Grain storage elevator* means any grain elevator located at any wheat flour mill, wet corn mill, dry corn mill (human consumption), rice mill, or soybean oil extraction plant which has a permanent grain storage capacity of 35,200 m^3 (ca. 1 million bushels).

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

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

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

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

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

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

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

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

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

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

§ 60.302 Standard for particulate matter.

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

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

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

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

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

(2) Exhibits greater than 0 percent opacity.

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

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

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

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

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

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

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

(2) The total rate of air ventilated shall be at least 32.1 actual cubic meters per cubic meter of grain handling capacity (ca. 40 ft^3 /bu).

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

§ 60.303 Test methods and procedures.

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

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

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

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

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

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

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

[54 FR 6674, Feb. 14, 1989]

§ 60.304 Modifications.

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

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

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

(2) The installation of automatic grain weighing scales.

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

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

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the Technical Support Document (ATSD) for a Minor Source Operating Permit Renewal

Source Background and Description

Source Name:	**Kokomo Grain Company, Inc.**
Source Location:	**1002 West Morgan Street, Kokomo, Indiana 46901**
County:	**Howard**
SIC Code:	**5153**
Permit No.:	**M067-28264-00006**
Permit Reviewer:	**Sarah Conner, Ph. D.**

On October 5, 2009, the Office of Air Quality (OAQ) had a notice published in The Kokomo Tribune, Kokomo, Indiana, stating that Kokomo Grain Company, Inc. had applied for the renewal of their Minor Source Operating Permit (MSOP) No. M067-18092-00006 issued on November 12, 2004 that will allow Kokomo Grain Company, Inc. to continue to operate their existing stationary grain terminal elevator. The notice also stated that the OAQ proposed to issue a Minor Source Operating Permit (MSOP) for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments and Responses

On 11/04/2009, IDEM, OAQ staff determined that the source, Kokomo Grain Company, Inc., located in Howard County, has different state rule applicability then what was listed in the draft Minor Source Operating Permit (MSOP) and Technical Support Document (TSD).

The Technical Support Document (TSD) is used by IDEM, OAQ for historical purposes. IDEM, OAQ does not make any changes to the original TSD, but the Permit will have the updated changes. The comments and revised permit language are provided below with deleted language as ~~strikeouts~~ and new language **bolded**.

Comment 1:

Kokomo Grain Company, Inc., located in Howard County is subject to 326 IAC 6.5, and is therefore, not subject to the requirements of 326 IAC 6-3.

Response to Comment 1:

IDEM agrees with the recommended changes, since Kokomo Grain Company, Inc. is located in Howard County and Howard County is listed under 326 IAC 6.5. The permit has been revised as follows:

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

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

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

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

~~Emissions Units~~	~~Maximum Process Weight (tons/hour) for each unit of that type~~	~~326 IAC 6-3 Allowable Emission Rate (lbs/hr) for each unit of that type~~	~~Maximum Particulate Emissions before control (lb/hour)~~
~~Truck Dump Pits #1 and #2, each receiving a maximum throughput of 15,000 bushels of grain per hour~~	~~450.00~~	~~67.70~~	~~81.00~~
~~One (1) enclosed conveyor, with a maximum throughput of 15,000 bushels of grain per hour~~	~~450.00~~	~~67.70~~	~~27.45~~
~~One (1) open belt conveyor, with a maximum throughput of 15,000 bushels of grain per hour~~	~~450.00~~	~~67.70~~	~~27.45~~
~~One enclosed bucket elevator with a maximum throughput of 20,000 bushels of grain per hour~~	~~600.00~~	~~71.16~~	~~36.60~~
~~One enclosed bucket elevator with a maximum throughput of 15,000 bushels of grain per hour~~	~~450.00~~	~~67.70~~	~~27.45~~
~~Four (4) open belts, each with a maximum throughput of 20,000 bushels of grain per hour~~	~~600.00~~	~~71.16~~	~~36.60~~
~~One (1) enclosed belt, with a maximum throughput of 20,000 bushels of grain per hour~~	~~600.00~~	~~71.16~~	~~36.60~~
~~Three (3) enclosed belts, each with a maximum throughput of 40,000 bushels of grain per hour~~	~~1200.00~~	~~79.97~~	~~73.20~~
~~Three (3) open belts, each with a maximum throughput of 10,000 bushels of grain per hour~~	~~300.00~~	~~63.00~~	~~18.30~~
~~One (1) enclosed belt, with a maximum throughput of 21,000 bushels of grain per hour~~	~~630.00~~	~~71.76~~	~~38.43~~
~~One (1) enclosed conveyor, with a maximum throughput of 12,000 bushels of grain per hour~~	~~360.00~~	~~65.09~~	~~21.96~~
~~Four (4) concrete silos, identified as #27, #28, #29, and #30~~	~~600.00~~	~~71.16~~	~~15.00~~
~~Four (4) open belt bins, identified as #22, #23, #31 and #32~~	~~600.00~~	~~71.16~~	~~15.00~~
~~Two (2) bins, identified as #3 and #4~~	~~1200.00~~	~~79.97~~	~~30.00~~
~~Two (2) bins, identified as #25, and #26~~	~~300.00~~	~~63.00~~	~~7.50~~
~~Three (3) bins, identified as #9, #10 and #11~~	~~300.00~~	~~63.00~~	~~7.50~~
~~One (1) flat storage building, identified as #33~~	~~630.00~~	~~71.76~~	~~15.75~~
~~Five (5) storage bins, identified as #5, #6, #19, #20 and #21~~	~~60.00~~	~~46.29~~	~~1.50~~
~~One (1) storage bin, identified as #7~~	~~150.00~~	~~55.44~~	~~3.75~~
~~One (1) open belt, with a maximum throughput of 20,000 bushels of grain per hour~~	~~600.00~~	~~71.16~~	~~36.60~~
~~One (1) enclosed belt and three (3) enclosed drag conveyors, each with a maximum throughput of 20,000 bushels of grain per hour~~	~~600.00~~	~~71.16~~	~~36.60~~
~~One (1) enclosed belt, constructed in 1998, with a maximum throughput of 25,000 bushels of grain per hour~~	~~750.00~~	~~73.93~~	~~45.75~~
~~One (1) enclosed drag conveyor, with a maximum throughput of 30,000 bushels of grain per hour~~	~~900.00~~	~~76.23~~	~~54.90~~

~~Emissions Units~~	~~Maximum Process Weight (tons/hour) for each unit of that type~~	~~326 IAC 6-3 Allowable Emission Rate (lbs/hr) for each unit of that type~~	~~Maximum Particulate Emissions before control (lb/hour)~~
~~Three (3) enclosed drag conveyors, each with a maximum throughput of 10,000 bushels of grain per hour~~	~~300.00~~	~~63.00~~	~~18.30~~
~~One (1) enclosed drag, with a maximum throughput of 12,000 bushels of grain per hour~~	~~360.00~~	~~65.09~~	~~21.96~~
~~One (1) enclosed drag, with a maximum throughput of 10,000 bushels of grain per hour~~	~~300.00~~	~~63.00~~	~~18.30~~
~~One (1) enclosed drag, with a maximum throughput of 5,000 bushels of grain per hour~~	~~150.00~~	~~55.44~~	~~9.15~~
~~One (1) enclosed auger, with a maximum throughput of 2,000 bushels of grain per hour~~	~~60.00~~	~~46.29~~	~~3.66~~
~~One (1) enclosed bucket elevator, with a maximum throughput of 10,000 bushels of grain per hour~~	~~300.00~~	~~63.00~~	~~18.30~~
~~One (1) enclosed bucket elevators, with a maximum throughput of 12,000 bushels of grain per hour~~	~~360.00~~	~~65.09~~	~~21.96~~
~~Dryer with a maximum throughput of 10,000 bushels of grain per hour~~	~~280.00~~	~~62.22~~	~~61.60~~
~~Grain shipping by truck, with a maximum throughput of 15,000 bushels of grain per hour~~	~~450.00~~	~~67.70~~	~~38.70~~
~~Grain shipping by railcar, with a maximum throughput of 35,000 bushels of grain per hour~~	~~1050.00~~	~~78.22~~	~~28.35~~

(b)D.1.1Particulate **[326 IAC 6.5-1-2] [326 IAC 6.5-5-10]**

(a) Pursuant to 326 IAC 6.5-1-2(a) particulate matter (PM) emissions from emission units constructed after January 13, 1977 including the one (1) flat storage building (#33), constructed in 1986, and one (1) enclosed belt, constructed in 1998, shall each not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

(b) Pursuant to 326 IAC 6.5-1-2(d)(1), particulate matter (PM) emissions from grain elevators that began construction or modification before January 13, 1977, and is a grain terminal elevator that has a permanent grain storage capacity of eighty-eight thousand one hundred (88,100) cubic meters (two million five hundred thousand (2,500,000) U.S. bushels) or more shall each not exceed three-hundredths (0.03) grain per dry standard cubic foot (dscf).

(c) Pursuant to 326 IAC 6.5-1-2(d)(2), all grain elevators subject to 326 IAC 6.5-1-2(d) shall provide for housekeeping and maintenance procedures that minimize the opportunity for particulate matter to become airborne and leave the property, such as the following:

(A) Housekeeping practices shall be conducted as follows:

(i) Areas to be swept and maintained shall include, at a minimum, the following:

(AA) General grounds, yard, and other open areas.

(BB) Floors, decks, hopper areas, loading areas, dust collectors, and all areas of dust or waste concentrations.

(CC) Grain driers with respect to accumulated particulate matter.

(ii) Cleanings and other collected waste material shall be handled and disposed of so that the area does not generate fugitive dust.

(iii) Dust from driveways, access roads, and other areas of travel shall be controlled.

(iv) Accidental spills and other accumulations shall be cleaned up as soon as possible but no later than completion of the day's operation.

(B) Equipment maintenance shall consist of procedures that eliminate or minimize emissions from equipment or a system caused by the following:

(i) Malfunctions.

(ii) Breakdowns.

(iii) Improper adjustment.

(iv) Operating above the rated or designed capacity.

(v) Not following designed operating specifications.

(vi) Lack of good preventive maintenance care.

(vii) Lack of critical and proper spare replacement parts on hand.

(viii) Lack of properly trained and experienced personnel.

(C) Emissions from the affected areas, operations, equipment, and systems shall not exceed twenty percent (20%) opacity as determined under 326 IAC 5-1.

(d) Pursuant to 326 IAC 6.5-5-10(a), the source, identified as Kokomo Grain Company in Howard County, shall meet the following emission limits:

Source	Source ID No.	Point Input ID	Process	Emission Limits tons/yr
Kokomo Grain Company	00006	18A	*Shipping/Receiving 60,000 T/Yr.	4.5
			*Transferring/Conveying 60,000 T/Yr.	11.1
100% natural gas			*Drying 25,000 T/Yr.	

***Pursuant to 326 IAC 6.5-5-10, the "Process" gives descriptive information regarding the Shipping/Receiving, Transferring/Conveying and Drying at Kokomo Grain Company which is lower than the actual throughputs for Shipping/Receiving, Transferring/Conveying and Drying at Kokomo Grain Company. See Appendix A of the ATSD for the actual throughputs for Shipping/Receiving, Transferring/Conveying and Drying at Kokomo Grain Company.**

(e) Pursuant to 326 IAC 6.5-5-10 (b), the unit for drying twenty-five thousand (25,000) t/yr located at Kokomo Grain Company, identified in subsection (a) as one hundred percent (100%) natural gas burners, shall burn only natural gas.

Additional Changes

In order for the source to be able to comply with the provisions of 326 IAC 6.5-5-10, mineral oil must be applied and control particulate from both conveying and shipping (see Appendix A of the ATSD for compliance calculations). Therefore, IDEM, OAQ has decided to add compliance determination requirements to the permit as described below, with deleted language as ~~strikeouts~~ and new language **bolded**.

D.1.3 Particulate Control

(c) In order to comply with Condition D.1.1(d), the source shall apply mineral oil after grain is dumped during the first move of conveying at a rate of 0.02 percent by weight at all times the grain terminal elevator is in operation.

IDEM Contact

(a) Questions regarding this proposed MSOP can be directed to Sarah Conner, Ph. D. 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) 234-6555 or toll free at 1-800-451-6027 extension 4-6555.

(b) A copy of the permit 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: 326 IAC 6.5-5-10 Compliance

Company Name: **Kokomo Grain Company, Inc.**
Address City IN Zip: **1002 West Morgan Street, Kokomo, IN 46903**
Permit Number: **M067-28264-00006**
Reviewer: **Sarah Conner, Ph. D.**
Date: **11/4/2009**

Grain	[1]bushels/year	[2]lbs / bushel	**Grain Throughput (tons/year)**	**Grain**	[1]bushels/year	[2]lbs / bushel	**Grain Throughput (tons/year)**
Corn processed	11,953,313	56	334,693	Wheat and Soybeans processed	3,431,767	60	102,953

[1]Total maximum amount of grain received equals the 5 year maximum received multiplied by a factor of 1.2. This is based on the EPA memorandum dated November 14, 1995 on calculating the potential to emit and other guidance for grain handling facilities.

[2]Assumes 56 lb/bushel for corn and 60 lb/bushel for Wheat and Soybeans

Emissions Units	**Grain Throughput (tons/year)**	326 IAC 6.5-5-10 Limit (tons/yr)	[7]Emission factor (lb/ton)	Max PTE Particulate (ton/yr)	[8]Controlled PTE Particulate (tons/yr)
[3]Receiving by Strait Truck	65646.87	4.50	0.180	5.91	0.59
[3]Receiving by Hopper Truck	371998.91		0.035	6.51	0.65
[4,5]Shipping by Truck	43764.58		0.086	1.88	0.75
[4,5]Shipping by Railcar	393881.20		0.027	5.32	2.13
Total for Receiving and Shipping	437645.77	4.50	N/A	19.62	4.12
[5,6]Transfering / Conveying	437645.77	11.10	0.061	26.70	10.68
Drying	437645.77	N/A	0.220	48.14	19.26

Methodology:

[3]Source receives grain from both Strait trucks and Hopper trucks. An estimated 85% of grain is received by Hopper trucks. The source has a baghouse with an estimated control efficiency of 90%. In order for the source to comply with 326 IAC 6.5 a control efficiency of 90% must be acheived for receiving.

[4]Source ships grain by Truck and Railcar. An estimated 90% of grain is shipped by Railcar.

[5]The Source applies mineral oil after grain is dumped during the first move of conveying. The mineral oil lasts through the entire process including shipping. Mineral oil has a control efficiency of 60 to 80%. A control efficiency of 60% is assumed for mineral oil for a conservative estimate. In order for the source to comply with 326 IAC 6.5 a control efficiency of 60% by mineral oil application must be acheived for both conveying and shipping.

[6]There is Inbound and Outbound Handling, so the emissions are calculated assuming that all grain is handled twice.

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

[8]Controlled PTE takes into 90% control from the baghouse for receiving and 60% control from mineral oil for both conveying and shipping.

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:	**1002 West Morgan Street, Kokomo, Indiana 46901**
County:	**Howard**
SIC Code:	**5153**
Permit Renewal No.:	**M067-28264-00006**
Permit Reviewer:	**Sarah Conner, Ph. D.**

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

History

On July 24, 2009, Kokomo Grain Company, Inc. submitted an application to the OAQ requesting to renew its operating permit. Kokomo Grain Company, Inc. was issued a Minor Source Operating Permit No. M067-18092-00006 on November 12, 2004.

Permitted Emission Units and Pollution Control Equipment

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

(a) One (1) grain receiving area, constructed in 1974, consisting of the following:

(1) Two (2) truck dump pits, identified as #1 and #2, each receiving a maximum throughput of 15,000 bushels of grain per hour, with particulate emissions controlled by a baghouse, and exhausting to the atmosphere.

(b) Inbound Internal handling system, in 1974, with mineral oil applied after grain is dumped during the first move of conveying, exhausting to the atmosphere and consisting of the following:

(1) One (1) enclosed conveyor, with a maximum throughput of 15,000 bushels of grain per hour, and;

(2) One (1) open belt conveyor, with a maximum throughput of 15,000 bushels of grain per hour, and;

(3) One (1) enclosed bucket elevator, with a maximum throughput of 20,000 bushels of grain per hour, and one (1) enclosed bucket elevator, with a maximum throughput of 15,000 bushels of grain per hour. The two (2) bucket elevators empty into the following:

(A) Four (4) open belts, with a maximum throughput of 20,000 bushels of grain per hour, feeding concrete four (4) silos identified as #27, #28, #29 and #30 and;

(B) One (1) enclosed belt, with a maximum throughput of 20,000 bushels of grain per hour, feeding four (4) open belt bins identified as #22, #23, #31 and #32 and;

(C) Three (3) enclosed belts, with a maximum throughput of 40,000 bushels of grain per hour, feeding two (2) bins identified as #3 and #4 and feeding load out identified as #24 and;

(D) Three (3) open belts, with a maximum throughput of 10,000 bushels of grain per hour, feeding two (2) bins identified as #25 and #26 and;

(E) One (1) enclosed drag conveyor, with a maximum throughput of 10,000 bushels of grain per hour, feeding three (3) bins identified as #9, #10 and #11 and;

(F) One (1) enclosed belt, with a maximum throughput of 21,000 bushels of grain per hour, feeding flat storage building identified as #33 and;

(G) One (1) enclosed conveyor, with a maximum throughput of 12,000 bushels of grain per hour, feeding the grain dryer.

(c) Grain storage, total capacity of 8.2 million bushels of grain, using mineral oil as a dust suppressant, exhausting indoors, and consisting of the following:

(1) Four (4) concrete silos, identified as #27, #28, #29 and #30, constructed in 1974, each with a storage capacity of 80,000 bushels of grain, and;

(2) Two (2) open belt bins, identified as #22 and #23, constructed in 1974, each with a storage capacity of 250,000 bushels of grain, and;

(3) One (1) open belt bins, identified as #31, constructed in 1974, with a storage capacity of 650,000 bushels of grain, and;

(4) One (1) open belt bins, identified as #32, constructed in 1974, with a storage capacity of 740,000 bushels of grain, and;

(5) Two (2) bins, identified as #3 and #4, constructed in 1974, each with a storage capacity of 250,000 bushels of grain, and;

(6) Two (2) bins, identified as #25 and #26, constructed in 1974, each with a storage capacity of 150,000 bushels of grain, and;

(7) Three (3) bins, identified as #9, #10 and #11, constructed in 1974, each with a storage capacity of 20,000 bushels of grain, and;

(8) One (1) flat storage building, identified as #33, constructed in 1986, with a storage capacity of 5,000,000 bushels of grain, and;

(9) Five (5) storage bins, identified as #5, #6, #19, #20 and #21, constructed in 1974, each with a storage capacity of 3,000 bushels of grain, and;

(10) One (1) storage bin, identified as #7, constructed in 1974, with a storage capacity of 6,000 bushels of grain, and;

(11) One (1) storage bin, identified as #14, constructed in 1974, with a storage capacity of 80,000 bushels of grain.

(d) Outbound handling from storage, using mineral oil as a dust suppressant, exhausting to the atmosphere, and consisting of the following:

(1) One (1) open belt, constructed in 1974, with a maximum throughput of 20,000 bushels of grain per hour, from four (4) concrete silos, identified as #27, #28, #29 and #30, and;

(2) One (1) enclosed belt and three (3) enclosed drag conveyors, constructed in 1974, each with a maximum throughput of 20,000 bushels of grain per hour, all from flat storage building, identified as #33, and;

(3) One (1) enclosed belt, constructed in 1998, with a maximum throughput of 25,000 bushels of grain per hour, from bins identified as #22, #23, #31 and #32, and;

Under the NSPS for Grain Elevators (40 CFR 60.300, Subpart DD), the one (1) enclosed belt, constructed in 1998, is considered an affected facility.

(4) Four (4) enclosed drag conveyors, constructed in 1974, one (1) with a maximum throughput of 30,000 bushels of grain per hour and three (3) with a maximum throughput of 10,000 bushels of grain per hour, all from rail load out.

(5) One (1) enclosed drag, constructed in 1974, with a maximum throughput of 12,000 bushels of grain per hour, from bins identified as #25 and #26.

(6) One (1) enclosed drag, constructed in 1974, with a maximum throughput of 10,000 bushels of grain per hour, from bins identified as #9, #10 and #11.

(7) One (1) enclosed drag, constructed in 1974, with a maximum throughput of 5,000 bushels of grain per hour, from bin identified as #7.

(8) One (1) enclosed auger, constructed in 1974, with a maximum throughput of 2,000 bushels of grain per hour, from bins identified as #19, #20 and #21.

(9) Two (2) enclosed bucket elevators, constructed in 1974, one (1) with a maximum throughput of 10,000 bushels of grain per hour and one (1) with a maximum throughput of 12,000 bushels of grain per hour, both from the dryer.

(e) One (1) 96.9 million British thermal units (MMBtu) per hour natural gas-fired column grain dryer, including a settling chamber and a column plate with perforations of 0.078 and 0.063 inches in diameter, constructed in 1998, with a maximum capacity of 10,000 bushels per hour, and exhausting to the atmosphere.

Under the NSPS for Grain Elevators (40 CFR 60.300, Subpart DD), the dryer, constructed in 1998, is considered an affected facility.

(f) One (1) grain shipping area, constructed in 1974, with a maximum capacity of 35,000 bushels of grain per hour, and exhausting to the atmosphere.

(g) Fugitive emissions from paved roads and parking lots.

Emission Units and Pollution Control Equipment Removed From the Source

(a) One (1) 26.2 million British thermal units (MMBtu) per hour natural gas-fired column grain dryer, including a column plate with perforations of 0.078 and 0.0625 inches in diameter, constructed in 1994, with a maximum capacity of 5,500 bushels per hour.

Existing Approvals

Since November 12, 2004, the source has been operating under Minor Source Operating Permit No. M067-18092-00006.

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.

The following terms and conditions from previous approvals have been revised in this MSOP Renewal:

(a) Section D.1.1 from permit MSOP No. M067-18092-00006 has been updated to list the specific emission units and their corresponding 326 IAC 6-3-2 allowable emission rates. In order for the grain dryer to comply with 326 IAC 6-3-2 a total throughput of grain dried was included in this MSOP Renewal.

(b) Section D.1.3 from permit MSOP No. M067-18092-00006 was revised to update baghouse requirements and to remove the requirement that mineral oil shall be applied after grain is dumped into the Grain Dump Pits. The dump pits can comply with 326 IAC 6-3-2 using the baghouse and the other grain receiving, grain handling, grain dryer, and grain shipping facilities can comply with 326 IAC 6-3-2 without the use of controls. Therefore, the requirement of applying mineral oil has been removed from this MSOP renewal.

(c) Section D.1.7 from permit MSOP No. M067-18092-00006 has been updated. D.1.7(a) for multi-compartment units, has been removed and language for single compartment baghouses has been revised in this MSOP renewal.

(d) Section D.1.8 from permit MSOP No. M067-18092-00006 has been updated to include the record keeping requirements for the total throughput of grain dried.

The following terms and conditions from previous approvals have been determined no longer applicable; therefore, were not incorporated into this MSOP Renewal:

(e) Section D.1.6 from permit MSOP No. M067-18092-00006 has been removed from this MSOP renewal. IDEM, OAQ no longer requires baghouse inspections in addition to parametric monitoring.

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Howard 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 PM2.5.

(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. Howard 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

Howard County has been classified as attainment for PM2.5. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5 emissions, and the effective date of these rules was July 15, 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 PM2.5 emissions until 326 IAC 2-2 is revised.

(c) Other Criteria Pollutants

Howard County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Fugitive Emissions

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

Unrestricted Potential Emissions

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

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all criteria pollutants is less than 100 tons per year. The source is not subject to the provisions of 326 IAC 2-7. Therefore, the source will be issued an MSOP.

(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.

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

Federal Rule Applicability

New Source Performance Standards (NSPS)

(a) The one (1) flat storage building, constructed in 1986, identified as #33, is located at a grain terminal elevator but is not one of the following: a truck unloading station, a truck loading station, a barge or ship unloading station, a barge or ship loading station, a railcar loading station, a railcar unloading station, a grain dryer, or a grain handling operation, which are listed under 40 CFR 60.300. Therefore, the one (1) flat storage building, constructed in 1986, identified as #33, is not subject to the requirements of the New Source Performance Standard for Grain Elevators, 40 CFR 60.300, Subpart DD.

(b) The one (1) 96.9 million British thermal units (MMBtu) per hour natural gas-fired column grain dryer 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, because it is an affected facility (grain dryer) at a grain terminal elevator that has a permanent storage capacity greater than 2.5 million bushels and was constructed after August 3, 1978. However, none of the provisions of this rule are applicable, pursuant to 40 CFR Part 60.302(a), because the column grain dryer does not have a column plate perforation exceeding 0.094 inches.

(c) The requirements of the New Source Performance Standard for Grain Elevators, 40 CFR 60.300, Subpart DD, are not included in the permit for facilities located at the source that were constructed prior to August 3, 1978 that consist of truck unloading station, truck loading station, railcar loading station, railcar unloading station, grain dryer, and all grain handling operations.

(d) Grain handling consisting of one (1) enclosed belt, constructed in 1998, is subject to the the New Source Performance Standard for (Standards of Performance for Grain Elevators) 40 CFR Part 60.300, Subpart DD, which is incorporated by reference as 326 IAC 12, because it is an affected facility (grain handling) at a grain terminal elevator that has a permanent storage capacity greater than 2.5 million bushels and was constructed after August 3, 1978.

Applicable portions of the NSPS are the following:

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

The requirements of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the one (1) enclosed belt, constructed in 1998, except as otherwise specified in 40 CFR 60, Subpart DD

(e) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit for this source.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

(f) 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

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

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

326 IAC 2-6 (Emission Reporting)

This source is located in Howard County and the potential to emit of each criteria pollutant is less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 5-1 (Opacity Limitations)

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

The source is subject to the requirements of 326 IAC 6-4, because the source has the potential to emit fugitive particulate emissions from paved roads and parking lots. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

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

The source is not subject to the requirements of 326 IAC 6-5, because combined potential fugitive emissions from the paved roads and parking lots are less than 25 tons per year.

State Rule Applicability – Individual Facilities

Grain Elevator Operations

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

The one (1) column grain dryer is not subject to the requirements of 326 IAC 6-2, because it is not a source of indirect heating.

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

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from each of the listed emission units shall be limited by the following:

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

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

Emissions Units	Maximum Process Weight (tons/hour) for each unit of that type	326 IAC 6-3 Allowable Emission Rate (lbs/hr) for each unit of that type	Maximum Particulate Emissions before control (lb/hour)
Truck Dump Pits #1 and #2, each receiving a maximum throughput of 15,000 bushels of grain per hour	450.00	67.70	81.00
One (1) enclosed conveyor, with a maximum throughput of 15,000 bushels of grain per hour	450.00	67.70	27.45
One (1) open belt conveyor, with a maximum throughput of 15,000 bushels of grain per hour	450.00	67.70	27.45
One enclosed bucket elevator with a maximum throughput of 20,000 bushels of grain per hour	600.00	71.16	36.60
One enclosed bucket elevator with a maximum throughput of 15,000 bushels of grain per hour	450.00	67.70	27.45
Four (4) open belts, each with a maximum throughput of 20,000 bushels of grain per hour	600.00	71.16	36.60
One (1) enclosed belt, with a maximum throughput of 20,000 bushels of grain per hour	600.00	71.16	36.60
Three (3) enclosed belts, each with a maximum throughput of 40,000 bushels of grain per hour	1200.00	79.97	73.20
Three (3) open belts, each with a maximum throughput of 10,000 bushels of grain per hour	300.00	63.00	18.30
One (1) enclosed belt, with a maximum throughput of 21,000 bushels of grain per hour	630.00	71.76	38.43
One (1) enclosed conveyor, with a maximum throughput of 12,000 bushels of grain per hour	360.00	65.09	21.96
Four (4) concrete silos, identified as #27, #28, #29, and #30	600.00	71.16	15.00
Four (4) open belt bins, identified as #22, #23, #31 and #32	600.00	71.16	15.00
Two (2) bins, identified as #3 and #4	1200.00	79.97	30.00
Two (2) bins, identified as #25, and #26	300.00	63.00	7.50
Three (3) bins, identified as #9, #10 and #11	300.00	63.00	7.50
One (1) flat storage building, identified as #33	630.00	71.76	15.75
Five (5) storage bins, identified as #5, #6, #19, #20 and #21	60.00	46.29	1.50
One (1) storage bin, identified as #7	150.00	55.44	3.75
One (1) open belt, with a maximum throughput of 20,000 bushels of grain per hour	600.00	71.16	36.60
One (1) enclosed belt and three (3) enclosed drag conveyors, each with a maximum throughput of 20,000 bushels of grain per hour	600.00	71.16	36.60

Emissions Units	Maximum Process Weight (tons/hour) for each unit of that type	326 IAC 6-3 Allowable Emission Rate (lbs/hr) for each unit of that type	Maximum Particulate Emissions before control (lb/hour)
One (1) enclosed belt, constructed in 1998, with a maximum throughput of 25,000 bushels of grain per hour	750.00	73.93	45.75
One (1) enclosed drag conveyor, with a maximum throughput of 30,000 bushels of grain per hour	900.00	76.23	54.90
Three (3) enclosed drag conveyors, each with a maximum throughput of 10,000 bushels of grain per hour	300.00	63.00	18.30
One (1) enclosed drag, with a maximum throughput of 12,000 bushels of grain per hour	360.00	65.09	21.96
One (1) enclosed drag, with a maximum throughput of 10,000 bushels of grain per hour	300.00	63.00	18.30
One (1) enclosed drag, with a maximum throughput of 5,000 bushels of grain per hour	150.00	55.44	9.15
One (1) enclosed auger, with a maximum throughput of 2,000 bushels of grain per hour	60.00	46.29	3.66
One (1) enclosed bucket elevator, with a maximum throughput of 10,000 bushels of grain per hour	300.00	63.00	18.30
One (1) enclosed bucket elevators, with a maximum throughput of 12,000 bushels of grain per hour	360.00	65.09	21.96
Dryer with a maximum throughput of 10,000 bushels of grain per hour	280.00	62.22	61.60
Grain shipping by truck, with a maximum throughput of 15,000 bushels of grain per hour	450.00	67.70	38.70
Grain shipping by railcar, with a maximum throughput of 35,000 bushels of grain per hour	1050.00	78.22	28.35

The source applies mineral oil during inbound handling after grain is dumped during the first move of conveying at a rate of 0.02 percent by weight at the grain elevator to control particulate from the internal grain handling and grain storage facilities. The internal grain handling and grain storage facilities are able to comply with 326 IAC 6-3-2 without the application of mineral oil.

In order to show compliance with 326 IAC 6-3-2, the source, identified as Kokomo Grain Company, Inc., shall:

(1) Operate the baghouse for particulate control at all times the two (2) truck dump pits, identified as #1 and #2, are receiving grain and control emissions from the two (2) truck dump pits, identified as #1 and #2.

Compliance Determination and Monitoring Requirements

The compliance monitoring requirements applicable to this source are as follows:

Control	Parameter	Frequency	Range	Excursions and Exceedances
Baghouse, used in conjunction with the two (2) truck dump pits	Pressure	Daily	3.0 to 6.0 inches	Response Steps
Baghouse exhaust, used in conjunction with the two (2) truck dump pits	Visible Emissions		Normal-Abnormal	

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 July 24, 2009. Additional information was received on August 12, 2009.

Conclusion

The operation of this stationary grain terminal elevator shall be subject to the conditions of the attached MSOP Renewal No. M067-28264-00006.

Appendix A: Emissions Calculations
Summary

Company Name: **Kokomo Grain Company, Inc.**
Address City IN Zip: **1002 West Morgan Street, Kokomo, IN 46903**
Permit Number: **M067-28264-00006**
Reviewer: **Sarah Conner, Ph. D.**
Date: **8/5/2009**

Uncontrolled Potential Emissions (tons/year)								
Pollutant	Natural Gas Combustion	Grain Receiving	Grain Shipping	Headhouse and Grain Handling	Grain Drying	Grain storage	Mitigated Paved Roads	**TOTAL**
PM	0.81	39.39	18.82	26.70	48.14	5.47	7.53	**146.85**
PM10	3.23	12.91	6.35	14.88	12.04	1.38	1.47	**52.24**
PM2.5	3.23	2.19	1.07	2.54	2.06	0.24	0.22	**11.54**
SO_2	0.25	-	-	-	-	-	-	**0.25**
No_x	42.44	-	-	-	-	-	-	**42.44**
VOC	2.33	-	-	-	-	-	-	**2.33**
CO	35.65	-	-	-	-	-	-	**35.65**
total HAPs	0.80	-	-	-	-	-	-	**0.80**
worst case single HAP	0.76 (Hexane)	-	-	-	-	-	-	**0.76 (Hexane)**

Total emissions based on rated capacity at 8,760 hours/year or based on the maximum throughput of grain received as described in the EPA memorandum dated November 14, 1995 on calculating the potential to emit and other guidance for grain handling facilities.

Controlled Potential Emissions (tons/year)								
Pollutant	Natural Gas Combustion	Grain Receiving	Grain Shipping	Headhouse and Grain Handling	Grain Drying	Grain storage	Mitigated Paved Roads	**TOTAL**
PM	0.81	7.88	18.82	10.68	48.14	2.19	7.53	**96.04**
PM10	3.23	2.58	6.35	5.95	12.04	0.55	1.47	**32.16**
PM2.5	3.23	0.44	1.07	1.02	2.06	0.10	0.22	**8.12**
SO2	0.25	-	-	-	-	-	-	**0.25**
NOx	42.44	-	-	-	-	-	-	**42.44**
VOC	2.33	-	-	-	-	-	-	**2.33**
CO	35.65	-	-	-	-	-	-	**35.65**
total HAPs	0.80	-	-	-	-	-	-	**0.80**
worst case single HAP (Hexane)	0.76 (Hexane)	-	-	-	-	-	-	**0.76 (Hexane)**

Total emissions based on rated capacity at 8,760 hours/year or based on the maximum throughput of grain received as described in the EPA memorandum dated November 14, 1995 on calculating the potential to emit and other guidance for grain handling facilities.

Appendix A: Emissions Calculations
Grain Elevator - Wheat and Soy

Company Name: Kokomo Grain Company, Inc.
Address City IN Zip: 1002 West Morgan Street, Kokomo, IN 46903
Permit Number: M067-28264-00006
Reviewer: Sarah Conner, Ph. D.
Date: 8/5/2009

Grain	[1]bushels/year	[2]lbs / bushel	Grain Throughput (tons/year)
Corn processed	11,953,313	56	334,693

Note 1: Total maximum amount of grain received equals the 5 year maximum received multiplied by a factor of 1.2. This is based on the EPA memorandum dated November 14, 1995 on calculating the potential to emit and other guidance for grain handling facilities.

Note 2: Assumes 56 lb/bushel for corn.

Unloading/Receiving

[3]Strait Truck (lb/ton)			[3] Hopper truck		
PM	PM-10	PM2.5	PM	PM-10	PM2.5
0.18	0.059	0.01	0.035	0.0078	0.0013

Unloading/ Receiving	PM	PM10	PM2.5
Strait Truck	30.12	9.87	1.67
Hopper	5.86	1.31	0.22
Total uncontrolled	30.12	9.87	1.67
Controlled (80%) by baghouse	6.02	1.97	0.33

Note 3: Source receives grain from both Strait trucks and Hopper trucks. An estimated 85% of grain is received by

[7]Shipping

Truck (unspecified)			Railcar		
PM	PM-10	PM2.5	PM	PM-10	PM2.5
0.086	0.029	0.0049	0.027	0.0022	0.00037

Shipping	PM	PM10	PM2.5
Truck	14.39	4.85	0.82
Railcar	4.52	0.37	0.06
Total uncontrolled	14.39	4.85	0.82

Note 7: Source ships grain by Truck and Railcar. An estimated 90% of grain is shipped by Railcar.

[4]Drying

PM	PM-10	PM2.5
0.22	0.055	0.0094

Drying	PM	PM10	PM2.5
Total uncontrolled	36.82	9.20	1.57

Note 4: No control device for the dryer

[6]Headhouse and Grain Handling

PM	PM-10	PM2.5
0.061	0.034	0.0058

	PM	PM10	PM2.5
	10.21	5.69	0.97
Total uncontrolled	20.42	11.38	1.94
[5]Controlled (60%)	8.17	4.55	0.78

Note 5: Mineral oil has a control efficiency of 60 to 80%. A control efficiency of 60% is assumed for mineral oil for a conservative estimate.

Note 6: There is Inbound and Outbound Handling, so the emissions are calculated assuming that all grain is handled twice.

Storage

PM	PM-10	PM2.5
0.025	0.0063	0.0011

storage	PM	PM10	PM2.5
uncontrolled	4.18	1.05	0.18
[5]Controlled (60%)	1.67	0.42	0.07

Note 5: Mineral oil has a control efficiency of 60 to 80%. A control efficiency of 60% is assumed for mineral oil for a conservative estimate.

Methodology

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

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

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

Appendix A: Emissions Calculations
Grain Elevator - Wheat and Soy

Company Name: Kokomo Grain Company, Inc.
Address City IN Zip: 1002 West Morgan Street, Kokomo, IN 46903
Permit Number: M067-28264-00006
Reviewer: Sarah Conner, Ph. D.
Date: 8/5/2009

Grain	[1]bushels/year	[2]lbs / bushel	Grain Throughput (tons/year)
Wheat and Soybeans processed	3,431,767	60	102,953

Note 1: Total maximum amount of grain received equals the 5 year maximum received multiplied by a factor of 1.2. This is based on the EPA memorandum dated November 14, 1995 on calculating the potential to emit and other guidance for grain handling facilities.

Note 2: Assumes 60 lb/bushel for Wheat and Soybeans

Unloading/Receiving

[3]Strait Truck (lb/ton)			[3] Hopper		
PM	PM-10	PM2.5	PM	PM-10	PM2.5
0.18	0.059	0.01	0.035	0.0078	0.0013

Unloading/ Receiving	PM	PM10	PM2.5
Strait Truck	9.27	3.04	0.51
Hopper	1.80	0.40	0.07
Total uncontrolled	9.27	3.04	0.51
Controlled (80%) by	1.85	0.61	0.10

Note 3: Source receives grain from both Strait trucks and Hopper trucks. An estimated 85% of grain is received by Hopper

[7]Shipping

Truck (unspecified)			Railcar		
PM	PM-10	PM2.5	PM	PM-10	PM2.5
0.086	0.029	0.0049	0.027	0.0022	0.00037

Shipping	PM	PM10	PM2.5
Truck	4.43	1.49	0.25
Railcar	1.39	0.11	0.02
Total uncontrolled	4.43	1.49	0.25

Note 7: Source ships grain by Truck and Railcar. An estimated 90% of grain is shipped by Railcar.

[4]Drying

PM	PM-10	PM2.5
0.22	0.055	0.0094

Drying	PM	PM10	PM2.5
Total uncontrolled	11.32	2.83	0.48

Note 4: No control device for the dryer

[6]Headhouse and Grain Handling

PM	PM-10	PM2.5
0.061	0.034	0.0058

	PM	PM10	PM2.5
	3.14	1.75	0.30
Total uncontrolled	6.28	3.50	0.60
[5]Controlled (60%)	2.51	1.40	0.24

Note 5: Mineral oil has a control efficiency of 60 to 80%. A control efficiency of 60% is assumed for mineral oil for a conservative estimate.
Note 6: There is Inbound and Outbound Handling, so the emissions are calculated assuming that all grain is handled twice.

Storage

PM	PM-10	PM2.5
0.025	0.0063	0.0011

storage	PM	PM10	PM2.5
uncontrolled	1.29	0.32	0.06
[5]Controlled (60%)	0.51	0.13	0.02

Note 5: Mineral oil has a control efficiency of 60 to 80%. A control efficiency of 60% is assumed for mineral oil for a conservative estimate.

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

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

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

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Natural gas-fired column grain dryer

Company Name: **Kokomo Grain Company, Inc.**
Address City IN Zip: **1002 West Morgan Street, Kokomo, IN 46903**
Permit Number: **M067-28264-00006**
Reviewer: **Sarah Conner, Ph. D.**
Date: **8/5/2009**

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
96.9	848.8

One (1) natural gas-fired column grain dryer

	Pollutant						
	PM*	PM10*	PM2.5	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.8	3.2	3.2	0.3	42.4	2.3	35.7

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined. PM2.5 is assumed to be equal to PM10.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See next page for HAPs emissions calculations.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
HAPs Emissions
Natural gas-fired column grain dryer

Company Name: Kokomo Grain Company, Inc.
Address City IN Zip: 1002 West Morgan Street, Kokomo, IN 46903
Permit Number: M067-28264-00006
Reviewer: Sarah Conner, Ph. D.
Date: 8/5/2009

	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	8.91E-04	5.09E-04	0.032	0.764	1.44E-03

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	Total
Potential Emission in tons/yr	2.12E-04	4.67E-04	5.94E-04	1.61E-04	8.91E-04	0.801

Methodology is the same the previous page

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

Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads

Company Name: **Kokomo Grain Company, Inc.**
Address City IN Zip: **1002 West Morgan Street, Kokomo, IN 46903**
Permit Number: **M067-28264-00006**
Reviewer: **Sarah Conner, Ph. D.**
Date: **8/5/2009**

Paved Roads at Industrial Site
The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (12/2003).

[1]Maximum Annual Grain Received = 884,234 tons/yr (corn, soybeans wheat)

[1]Maximum Annual Grain Shipped = 884,234 tons/yr (corn, soybeans wheat)

Note 1: Total maximum amount of grain received equals the 5 year maximum received multiplied by a factor of 1.2. This is based on the EPA memorandum dated November 14, 1995 on calculating the potential to emit and other guidance for grain handling facilities.

Process	Vehicle Type	Maximum Weight of Vehicle (tons)	Maximum Weight of Load (tons)	Maximum Weight of Vehicle and Load (tons/trip)	Maximum trips per year (trip/yr)	Total Weight driven per year (ton/yr)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/yr)
Receiving Semi Truck Entering Full	Truck	12.0	42.5	54.5	20805.5	1133900.1	1440.0	0.273	5674.2
Receiving Semi Truck Leave Empty	Truck	12.0	0.0	12.0	0.0	0.0	630.0	0.119	0.0
	Total				**20805.5**	**1133900.1**			**5674.23**

Average Vehicle Weight Per Trip = 54.5 tons/trip
Average Miles Per Trip = 0.273 miles/trip

Unmitigated Emission Factor, Ef = [k * (sL/2)^0.65 * (W/3)^1.5 - C] (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.082	0.016	0.0024	lb/mi = particle size multiplier (AP-42 Table 13.2.1-1)
W =	54.5	54.5	54.5	tons = average vehicle weight (provided by source)
C =	0.00047	0.00047	0.00036	lb/mi = emission factor for vehicle exhaust, brake wear, and tire wear (AP-42 Table 13.2.1-2)
sL =	0.6	0.6	0.6	g/m^2 = Ubitiguous Baseline Silt Loading Values of paved roads (Table 13.2.1-3 for summer months)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = E * [1 - (p/4N)]
Mitigated Emission Factor, Eext = Ef * [1 - (p/4N)]
where p = 125 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N = 365 days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	2.90	0.57	0.08	lb/mile
Mitigated Emission Factor, Eext =	2.65	0.52	0.08	lb/mile

Process	Vehicle Type	Unmitigated PTE of PM (tons/yr)	Unmitigated PTE of PM10 (tons/yr)	Unmitigated PTE of PM2.5 (tons/yr)	Mitigated PTE of PM (tons/yr)	Mitigated PTE of PM10 (tons/yr)	Mitigated PTE of PM2.5 (tons/yr)
Receiving Semi Truck Entering Full	Truck	8.23	1.61	0.24	7.53	1.47	0.22
Receiving Semi Truck Leave Empty	Truck	0.00	0.00	0.00	0.00	0.00	0.00
		8.23	**1.61**	**0.24**	**7.53**	**1.47**	**0.22**

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

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

Appendix A: 326 IAC 6-3-2 Compliance Summary

Kokomo Grain Company, Inc.
1002 West Morgan Street, Kokomo, IN 46903
M067-28264-00006
Sarah Conner, Ph. D.
8/5/2009

Emissions Units	Maximum (lbs/hr) for each unit of that type	Maximum Process Weight (tons/hour)[1] for each unit of that type	326 IAC 6-3 Limit (lbs/hr) for each unit of that type	[2]Emission factor (lb/ton)	Max PTE Particulate (lb/hour)	Able to comply with 326 IAC 6-3-2 without the use of control devices	[3]Controlled PTE Particulate (lb/hr)
[4]Truck Dump Pits #1 and #2, each receiving a maximum throughput of 15,000 bushels of grain per hour	900,000	450.00	67.70	0.180	81.00	No	16.20
One (1) enclosed conveyor, with a maximum throughput of 15,000 bushels of grain per hour	900,000	450.00	67.70	0.061	27.45	Yes	10.98
One (1) open belt conveyor, with a maximum throughput of 15,000 bushels of grain per hour	900,000	450.00	67.70	0.061	27.45	Yes	10.98
One enclosed bucket elevator with a maximum throughput of 20,000 bushels of grain per hour	1,200,000	600.00	71.16	0.061	36.60	Yes	14.64
One enclosed bucket elevator with a maximum throughput of 15,000 bushels of grain per hour	900,000	450.00	67.70	0.061	27.45	Yes	10.98
Four (4) open belts, each with a maximum throughput of 20,000 bushels of grain per hour	1,200,000	600.00	71.16	0.061	36.60	Yes	14.64
One (1) enclosed belt, with a maximum throughput of 20,000 bushels of grain per hour	1,200,000	600.00	71.16	0.061	36.60	Yes	14.64
Three (3) enclosed belts, each with a maximum throughput of 40,000 bushels of grain per hour	2,400,000	1200.00	79.97	0.061	73.20	Yes	29.28
Three (3) open belts, each with a maximum throughput of 10,000 bushels of grain per hour	600,000	300.00	63.00	0.061	18.30	Yes	7.32
One (1) enclosed belt, with a maximum throughput of 21,000 bushels of grain per hour	1,260,000	630.00	71.76	0.061	38.43	Yes	15.37
One (1) enclosed conveyor, with a maximum throughput of 12,000 bushels of grain per hour	720,000	360.00	65.09	0.061	21.96	Yes	8.78
Four (4) concrete silos, identified as #27, #28, #29, and #30	1,200,000	600.00	71.16	0.025	15.00	Yes	6.00
[1]Four (4) open belt bins, identified as #22, #23, #31 and #32	1,200,000	600.00	71.16	0.025	15.00	Yes	6.00
Two (2) bins, identified as #3 and #4	2,400,000	1200.00	79.97	0.025	30.00	Yes	12.00
[1]Two (2) bins, identified as #25, and #26	600,000	300.00	63.00	0.025	7.50	Yes	3.00
Three (3) bins, identified as #9, #10 and #11	600,000	300.00	63.00	0.025	7.50	Yes	3.00
One (1) flat storage building, identified as #33	1,260,000	630.00	71.76	0.025	15.75	Yes	6.30
Five (5) storage bins, identified as #5, #6, #19, #20 and #21	120,000	60.00	46.29	0.025	1.50	Yes	0.60
One (1) storage bin, identified as #7	300,000	150.00	55.44	0.025	3.75	Yes	1.50
One (1) open belt, with a maximum throughput of 20,000 bushels of grain per hour	1,200,000	600.00	71.16	0.061	36.60	Yes	14.64
One (1) enclosed belt and three (3) enclosed drag conveyors, each with a maximum throughput of 20,000 bushels of grain per hour	1,200,000	600.00	71.16	0.061	36.60	Yes	14.64
One (1) enclosed belt, constructed in 1998, with a maximum throughput of 25,000 bushels of grain per hour	1,500,000	750.00	73.93	0.061	45.75	Yes	18.30
One (1) enclosed drag conveyor, with a maximum throughput of 30,000 bushels of grain per	1,800,000	900.00	76.23	0.061	54.90	Yes	21.96
Three (3) enclosed drag conveyors, each with a maximum throughput of 10,000 bushels of grain per hour	600,000	300.00	63.00	0.061	18.30	Yes	7.32
One (1) enclosed drag, with a maximum throughput of 12,000 bushels of grain per hour	720,000	360.00	65.09	0.061	21.96	Yes	8.78
One (1) enclosed drag, with a maximum throughput of 10,000 bushels of grain per hour	600,000	300.00	63.00	0.061	18.30	Yes	7.32
One (1) enclosed drag, with a maximum throughput of 5,000 bushels of grain per hour	300,000	150.00	55.44	0.061	9.15	Yes	3.66
One (1) enclosed auger, with a maximum throughput of 2,000 bushels of grain per hour	120,000	60.00	46.29	0.061	3.66	Yes	1.46
One (1) enclosed bucket elevator, with a maximum throughput of 10,000 bushels of grain per	600,000	300.00	63.00	0.061	18.30	Yes	7.32
One (1) enclosed bucket elevators, with a maximum throughput of 12,000 bushels of grain per hour	720,000	360.00	65.09	0.061	21.96	Yes	8.78
Dryer with a maximum throughput of 10,000 bushels of grain per hour	560,000	280.00	62.22	0.220	61.60	Yes	61.60
Grain shipping by truck, with a maximum throughput of 15,000 bushels of grain per hour	900,000	450.00	67.70	0.086	38.70	Yes	38.70
Grain shipping by railcar, with a maximum throughput of 35,000 bushels of grain per hour	2,100,000	1050.00	78.22	0.027	28.35	Yes	28.35

[1]For storage, when the maximum throughput for loading and unloading are not equal, the smaller throughput is used to calculate 326 IAC 6-3-2 applicability because that establishes the more stringent limit.

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

[3]Controlled particulate emissions from the truck dump pits are estimated at 80% efficiency with a baghouse. Drying and shipping are uncontrolled. Handling and storage are controlled by mineral oil with 60% efficiency.

[4]The Dump Pits #1 and #2 are able to comply with 326 IAC 6-3-2 with the baghouse.

Appendix A: Emission Calculations
Throughput of Grain Received at Gavilon Grain, LLC

Company Name: **Kokomo Grain Company, Inc.**
Address City IN Zip: **1002 West Morgan Street, Kokomo, IN 46903**
Permit Number: **M067-28264-00006**
Reviewer: **Sarah Conner, Ph. D.**
Date: **8/5/2009**

Year	Wheat received in bushels	Corn received in bushels	Soybeans received in bushels
2004	97990	7487503	2218945
2005	103884	7011884	2263218
2006	159843	7581424	2501435
2007	187574	9487980	2244796
2008	358371	9961094	2444141
5 Year Maximum Received	358371	9961094	2501435
[1] **Maximum Received**	**430045**	**11953313**	**3001722**

Note 1: Total maximum amount of grain received equals the 5 year maximum received multiplied by a factor of 1.2. This is based on the EPA memorandum dated November 14, 1995 on calculating the potential to emit and other guidance for grain handling facilities.

Appendix A: Emission Calculations
Storage capacity

Company Name: **Kokomo Grain Company, Inc.**
Address City IN Zip: **1002 West Morgan Street, Kokomo, IN 46903**
Permit Number: **M067-28264-00006**
Reviewer: **Sarah Conner, Ph. D.**
Date: **8/5/2009**

Number of Bins	Capacity in Bushels	Comined Capacity in Bushels
4	80000	320000
2	250000	500000
1	650000	650000
1	740000	740000
2	250000	500000
2	150000	300000
3	20000	60000
1	5000000	5000000
5	3000	15000
1	6000	6000
1	80000	80000
Total Capacity at Grain Elevator		**8171000**

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Thomas Madru
Kokomo Grain Company
PO Box 745
Kokomo, IN 46903-0745

DATE: November 18, 2009

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

SUBJECT: Final Decision
MSOP - Renewal
067 - 28264 - 00006

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
OAQ Permits Branch Interested Parties List

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

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

Mitchell E. Daniels Jr.
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Thomas W. Easterly
Commissioner

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

November 18, 2009

TO: Kokomo Howard Co Public Library

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

Subject: **Important Information for Display Regarding a Final Determination**

Applicant Name: **Kokomo Grain Company**
Permit Number: **067 - 28264 - 00006**

You previously received information to make available to the public during the public comment period of a draft permit. Enclosed is a copy of the final decision and supporting materials for the same project. Please place the enclosed information along with the information you previously received. To ensure that your patrons have ample opportunity to review the enclosed permit, **we ask that you retain this document for at least 60 days.**

The applicant is responsible for placing a copy of the application in your library. If the permit application is not on file, or if you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185.

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	LPOGOST 11/18/2009 Kokomo Grain Company, Inc. 067 - 28264 - 00006 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Thomas Madru Kokomo Grain Company, Inc. PO Box 745 Kokomo IN 46903-0745 (Source CAATS) Via confirmed delivery									
2		Kokomo City Council and Mayors Office City Hall, 100 S. Union Street Kokomo IN 46901 *(Local Official)*									
3		Kokomo Howard Co Public Library 220 N Union St Kokomo IN 46901-4600 *(Library)*									
4		Howard County Commissioners 220 North Main Kokomo IN 46901-4624 *(Local Official)*									
5		Howard County Health Department 120 E. Mulberry St, Suite 206 Kokomo IN 46901-4657 *(Health Department)*									
6		Mr. Leslie Ellison Howard County Council, District 3 408 East Mulberry Street Kokomoe IN 46901 *(Affected Party)*									
7											
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