

**NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT**

Proposed Approval of Construction and Operation Permit
for **Kokomo Grain Company**
in **Johnson County**

CP-081-8678, Plt ID-081-00008

Notice is hereby given that the above company located at U.S. 31 and Durham Road, Edinburgh, Indiana, has made application to the Indiana Department of Environmental Management (IDEM), Office of Air Management (OAM) for a permit to construct and operate a modification to the existing grain elevator consisting of the addition of two (2) storage silos, one (1) grain dump, and three (3) conveyors with mineral oil addition as air pollution control. Based on 8,760 hours of operation per year, the PM allowable emissions before and after control are 63.3 and 17.5 tons per year, respectively. Based on 8,760 hours of operation per year, the PM10 allowable emissions before and after control are 19.1 and 4.7 tons per year, respectively.

Notice is hereby given that there will be a period of 30 days from the date of publication of this notice during which any interested person may comment on why this proposed permit should or should not be issued. Appropriate comments should be related to air quality issues, interpretation of the applicable state and federal rules, calculations made, technical issues, or the effect that the operation of this facility would have on any aggrieved individuals. A copy of the application and staff review is available for examination at the **Edinburgh Wright Hageman Public Library, 119 West Main Cross, Edinburgh, Indiana 46124-1499**. All comments, along with supporting documentation, should be submitted in writing to the IDEM, OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana 46206-6015. If appropriate adverse comments concerning the air pollution impact of this proposed source are received, together with a request for a public hearing, such a hearing may be held to give further consideration to this application.

Persons not wishing to comment at this time, but wishing to receive notice of future proceedings conducted related to this action, must submit a written request to the Office of Air Management (OAM), at the above address. All interested parties of record will receive a notice of the decision on this matter and will then have 15 days after receipt of the Notice of Decision to file a petition for administrative review. Procedures for filing such a petition will be enclosed with the Notice.

Questions should be directed to Trish Earls, c/o OAM, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or at 973-575-2555 or at 1-800-451-6027.

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management

TE/EVP

**CONSTRUCTION PERMIT
OFFICE OF AIR MANAGEMENT**

**Kokomo Grain Company
U.S. 31 and Durham Road
Edinburgh, Indiana 46124**

is hereby authorized to construct

a modification to the existing grain elevator consisting of the addition of the following equipment:

- (a) two (2) concrete storage silos, each with a maximum storage capacity of 210,000 bushels, each with air vents located at the top of the silos, using mineral oil addition to control particulate matter emissions;
- (b) one (1) grain dump, with a maximum storage capacity of 650 bushels;
- (c) one (1) 25,000 bushels per hour enclosed conveyor, connecting the two (2) silos, using mineral oil addition to control particulate matter emissions; and
- (d) two (2) 12,000 bushels per hour enclosed conveyors, connecting the two (2) silos to the elevator leg, using mineral oil addition to control particulate matter emissions.

This permit is issued to the above mentioned company (herein known as the Permittee) under the provisions of 326 IAC 2-1 and 40 CFR 52.780, with conditions listed on the attached pages.

Construction Permit No.: CP-081-8678-00008	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

Construction Conditions

General Construction Conditions

1. That the data and information supplied with the application shall be considered part of this permit. Prior to any proposed change in construction which may affect allowable emissions, the change must be approved by the Office of Air Management (OAM).
2. That this permit to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

3. That pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.
4. That pursuant to 326 IAC 2-1-9(b)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. That notwithstanding Construction Condition No. 6, all requirements and conditions of this construction permit shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

First Time Operation Permit

6. That this document shall also become a first-time operation permit when, prior to start of operation, the following requirements are met:
 - (a) The attached affidavit of construction shall be submitted to the Office of Air Management (OAM), Permit Administration & Development Section, verifying that the facilities were constructed as proposed in the application. The facilities covered in the Construction Permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.
 - (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.
 - (c) Permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section and attach it to this document.
 - (d) The operation permit will be subject to annual operating permit fees pursuant to 326 IAC 2-7-19 (Fees).
 - (e) Upon issuance of this proposed construction permit, the source will apply for a permit by rule pursuant to 326 IAC 2-11. Provided that by obtaining a permit by rule, the source limits its allowable emissions or potential to emit below the 326 IAC 2-7 applicability thresholds, the source will not be subject to the requirements of 326 IAC 2-7.

NSPS Reporting Requirement

7. That pursuant to the New Source Performance Standards (NSPS), Part 60.300 through 60.304, Subpart DD, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
- (a) Commencement of construction date (no later than 30 days after such date);
 - (b) Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - (c) Actual start-up date (within 15 days after such date); and
 - (d) Date of performance testing (at least 30 days prior to such date), when required by a condition elsewhere in this permit.

Reports are to be sent to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, IN 46206-6015

The application and enforcement of these standards have been delegated to the IDEM-OAM. The requirements of 40 CFR Part 60 are also federally enforceable.

8. That when the facility is constructed and placed into operation the following operation conditions shall be met:

Operation Conditions

General Operation Conditions

1. That the data and information supplied in the application shall be considered part of this permit. Prior to any change in the operation which may result in an increase in allowable emissions exceeding those specified in 326 IAC 2-1-1 (Construction and Operating Permit Requirements), the change must be approved by the Office of Air Management (OAM).
2. That the permittee shall comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder.

Preventive Maintenance Plan

3. That pursuant to 326 IAC 1-6-3 (Preventive Maintenance Plans), the Permittee shall prepare and maintain a preventive maintenance plan, including the following information:
- (a) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices.
 - (b) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions.

- (c) Identification of the replacement parts which will be maintained in inventory for quick replacement.

The preventive maintenance plan shall be submitted to IDEM, OAM upon request and shall be subject to review and approval.

Transfer of Permit

- 4. That pursuant to 326 IAC 2-1-6 (Transfer of Permits):
 - (a) In the event that ownership of the two (2) storage silos, one (1) grain dump, and three (3) conveyors is changed, the Permittee shall notify OAM, Permit Branch, within thirty (30) days of the change. Notification shall include the date or proposed date of said change.
 - (b) The written notification shall be sufficient to transfer the permit from the current owner to the new owner.
 - (c) The OAM shall reserve the right to issue a new permit.

Permit Revocation

- 5. That pursuant to 326 IAC 2-1-9(a)(Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:
 - (a) Violation of any conditions of this permit.
 - (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
 - (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
 - (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
 - (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of 326 IAC 2-1 (Permit Review Rules).

Availability of Permit

- 6. That pursuant to 326 IAC 2-1-3(l), the Permittee shall maintain the applicable permit on the premises of this source and shall make this permit available for inspection by the IDEM, or other public official having jurisdiction.

Annual Emission Reporting

- 7. That pursuant to 326 IAC 2-6 (Emission Reporting), the Permittee must annually submit an emission statement for the source. This statement must be received by July 1 of each year and must comply with the minimum requirements specified in 326 IAC 2-6-4. The annual statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Management
100 North Senate Avenue, P. O. Box 6015

Indianapolis, Indiana 46206-6015

The annual emission statement covers the twelve (12) consecutive month time period starting January 1 and ending December 31.

Opacity Limitations

8. That pursuant to 40 CFR 60.302(c), the following shall apply:
- (a) On and after the 60th day of achieving the maximum production rate at which the two (2) storage silos, one (1) grain dump, and three (3) conveyors will be operated, but no later than 180 days after initial startup, this source shall not 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.
 - (b) Pursuant to 40 CFR 60.303(b), the source will determine compliance with the opacity standards listed above using Method 9 in 40 CFR 60, Appendix A.
 - (c) These opacity limits will also satisfy the requirements of 326 IAC 5-1-2.

Particulate Matter Limitation

9. (a) That pursuant to 326 IAC 6-3 (Process Operations), mineral oil shall be applied at all times when the two (2) storage silos, one (1) grain dump, and three (3) conveyors are in operation, and shall not exceed the allowable particulate matter (PM) emission rate of 27.9 pounds per hour.
- (b) PM and PM10 emissions from the two (2) storage silos, one (1) grain dump, and three (3) conveyors shall not exceed 25 and 15 tons per year, respectively. Therefore, the Prevention of Significant Deterioration (PSD) rules, 326 IAC 2-2 and 40 CFR 52.21, will not apply.

Fugitive Dust Emissions

10. That pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), the permittee shall be in violation of 326 IAC 6-4 (Fugitive Dust Emissions) if any of the criteria specified in 326 IAC 6-4-2(1) through (4) are violated. Observations of visible emissions crossing the property line of the source at or near ground level must be made by a qualified representative of IDEM. [326 IAC 6-4-5(c)].

Work Practices

11. That particulate matter (PM) emissions shall be considered in compliance provided that:
- (a) good housekeeping and equipment maintenance procedures are implemented.
 - (b) emissions are minimized in receiving, handling, and shipping operations by appropriate methods. These may include but need not be limited to, dust collection systems, windscreens, baffles, restricted hopper openings, enclosed transfer points, flexible drop spouts and/or sleeves,

- (c) no visible accumulation of particulate matter beyond the plant property line, and
- (d) emissions do not violate 326 IAC 6-4 (Fugitive Dust Emissions).

Open Burning

12. That 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.

Emergency Reduction Plans

13. Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

- (b) These ERPs shall be submitted for approval to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

within 180 calendar days from the issuance date of this permit.

- (c) If the ERP is disapproved by IDEM, OAM, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP. If after this time, the Permittee does not submit an approvable ERP, IDEM, OAM, shall supply such a plan.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (g) Upon direct notification by IDEM, OAM, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate level. [326 IAC 1-5-3]

Indiana Department of Environmental Management Office of Air Management

Technical Support Document (TSD) for New Construction and Operation

Source Background and Description

Source Name: Kokomo Grain Company
Source Location: U.S. 31 and Durham Road, Edinburgh, Indiana 46124
County: Johnson
Construction Permit No.: CP-081-8678-00008
SIC Code: 5153
Permit Reviewer: Trish Earls/EVP

The Office of Air Management (OAM) has reviewed an application from Kokomo Grain Company relating to the construction and operation of a modification to the existing grain elevator consisting of the addition of the following equipment:

- (a) two (2) concrete storage silos, each with a maximum storage capacity of 210,000 bushels, each with air vents located at the top of the silos, using mineral oil addition to control particulate matter emissions;
- (b) one (1) grain dump, with a maximum storage capacity of 650 bushels;
- (c) one (1) 25,000 bushels per hour enclosed conveyor, connecting the two (2) silos, using mineral oil addition to control particulate matter emissions; and
- (d) two (2) 12,000 bushels per hour enclosed conveyors, connecting the two (2) silos to the elevator leg, using mineral oil addition to control particulate matter emissions.

Stack Summary

There are no stacks associated with this modification. Each silo has air vents at the top.

Recommendation

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

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

A complete application for the purposes of this review was received on June 11, 1997.

Emissions Calculations

See Appendix A (Emissions Calculation Spreadsheets) for detailed calculations (1 page).

Total Potential and Allowable Emissions

Indiana Permit Allowable Emissions Definition (after compliance with applicable rules, based on 8,760 hours of operation per year at rated capacity):

Pollutant	Allowable Emissions (tons/year)	Potential Emissions (tons/year)
Particulate Matter (PM)	122.1	63.34
Particulate Matter (PM10)	30.5	19.13
Sulfur Dioxide (SO ₂)	--	0.0
Volatile Organic Compounds (VOC)	--	0.0
Carbon Monoxide (CO)	--	0.0
Nitrogen Oxides (NO _x)	--	0.0
Single Hazardous Air Pollutant (HAP)	--	0.0
Combination of HAPs	--	0.0

- (a) Allowable emissions are determined from the applicability of rule 326 IAC 6-3-2. See attached spreadsheets for detailed calculations (page 1 of 1 Appendix A).
- (b) The potential emissions before control are less than the allowable emissions, therefore, the potential emissions before control are used for the permitting determination.
- (c) Allowable emissions (as defined in the Indiana Rule) of particulate matter (PM) are greater than 25 tons per year. Therefore, pursuant to 326 IAC 2-1, Sections 1 and 3, a construction permit is required.

County Attainment Status

- (a) Volatile organic compounds (VOC) and oxides of nitrogen are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Johnson County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.
- (b) Johnson County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 and 40 CFR 52.21.

Source Status

Existing Source PSD Definition (emissions after controls, based on 8,760 hours of operation per year at rated capacity):

Pollutant	Emissions (ton/yr)
PM	426.0
PM10	68.4
SO ₂	0.0
VOC	0.0
CO	0.0
NO _x	0.0

- (a) This existing source is a major stationary source because at least one attainment regulated pollutant is emitted at a rate of 250 tons per year.
- (b) The PM emissions were based on the Facility Quick Look Report, dated July 24, 1997. The Facility Quick Look Report did not list any potential controlled PM10 emissions, therefore, the potential controlled PM10 emissions listed above were based on the ratio of actual PM emissions to actual PM10 emissions.

Proposed Modification

PTE from the proposed modification (based on 8,760 hours of operation per year at rated capacity including enforceable emission control and production limit, where applicable):

Pollutant	PM (ton/yr)	PM10 (ton/yr)	SO ₂ (ton/yr)	VOC (ton/yr)	CO (ton/yr)	NO _x (ton/yr)
Proposed Modification	17.5	4.7	0.0	0.0	0.0	0.0
Contemporaneous Increases	0.0	0.0	0.0	0.0	0.0	0.0
Contemporaneous Decreases	0.0	0.0	0.0	0.0	0.0	0.0
Net Emissions	17.5	4.7	0.0	0.0	0.0	0.0
PSD or Offset Significant Level	25	15	40	40	100	40

- (a) This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, and 40 CFR 52.21, the PSD requirements do not apply.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant, except particulate matter (PM), is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons/year.

This status is based on all the air approvals issued to the source. This status has been verified by the OAM inspector assigned to the source.

Upon issuance of this proposed construction permit, Kokomo Grain Company has stated that they will apply for a permit by rule for this source pursuant to 326 IAC 2-11. Provided that by obtaining a permit by rule, the source limits its allowable emissions or potential to emit below the 326 IAC 2-7 applicability thresholds, the source will not be subject to the requirements of 326 IAC 2-7.

Federal Rule Applicability

40 CFR Part 60.300 through 60.304, Subpart DD

- (a) The two (2) storage silos, one (1) grain dump, and three (3) conveyors, are subject to the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.300, Subpart DD), because they are affected facilities (grain handling operations) at a grain terminal elevator that has a permanent storage capacity greater than 2.5 million bushels and was constructed after August 3, 1978. Pursuant to 40 CFR 60.302(c), the following shall apply:
 - (i) On and after the 60th day of achieving the maximum production rate at which the two (2) storage silos, one (1) grain dump, and three (3) conveyors will be operated, but no later than 180 days after initial startup, this source shall not 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.
- (b) Pursuant to 40 CFR 60.303(b), the source will determine compliance with the opacity standards listed above using Method 9 in 40 CFR 60, Appendix A. The requirements of 40 CFR 60.302(a), (b), and (d), do not apply to this modification because the modification does not include any grain dryers, process emissions (particulate matter collected by a capture system), or barge or ship unloading stations.

State Rule Applicability

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because the source has the potential to emit more than 100 tons per year of PM. Pursuant to this rule, the owner/operator of this source must annually submit an emission statement of the facility. The annual statement must be received by July 1 of each year and must contain the minimum requirements as specified in 326 IAC 2-6-4.

326 IAC 5-1-2 (Visible Emission Limitations)

This source is subject to 326 IAC 5-1-2. However, if specific visible emission limitations have been established in 326 IAC 11, 326 IAC 12, or 326 IAC 6, those limitations shall apply. The two (2) storage silos, one (1) grain dump, and three (3) conveyors are subject to 326 IAC 12 (40 CFR 60.300 through 60.304, Subpart DD), "Standards of Performance for Grain Elevators", which establishes specific visible emission limitations that satisfy the opacity limits of 326 IAC 5-1-2.

326 IAC 6-3-2 (Particulate Emission Limitations)

The two (2) storage silos, one (1) grain dump, and three (3) conveyors are subject to particulate matter limitations under 326 IAC 6-3-2. Pursuant to this rule, particulate emissions from the two (2) storage silos, one (1) grain dump, and three (3) conveyors shall be limited by the following equation:

$$E = 4.1 P^{0.67} \text{ (for process weights less than 60,000 lbs/hr)}$$

where E = maximum allowable PM emission rate (lbs/hr)
P = process weight (tons/hr): 17.48 tons/hr

$$E = 4.1(17.48^{0.67}) = 27.88 \text{ lbs/hr (122.10 tons/yr)}$$

Potential uncontrolled emissions from the two (2) storage silos, one (1) grain dump, and three (3) conveyors are 63.34 tons/yr and are less than the allowable emission rate of 122.1 tons/yr, therefore, the two (2) storage silos, one (1) grain dump, and three (3) conveyors will comply with the requirements of 326 IAC 6-3-2.

326 IAC 6-4 (Fugitive Dust Emissions)

This source is subject to 326 IAC 6-4 for fugitive dust emissions. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), fugitive dust shall not be visible crossing the boundary or property line of a source. Observances of visible emissions crossing property lines may be refuted by factual data expressed in 326 IAC 6-4-2(1), (2) or (3).

Air Toxic Emissions

Indiana presently requests applicants to provide information on emissions of the 187 hazardous air pollutants set out in the Clean Air Act Amendments of 1990. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Management (OAM) Construction Permit Application Form Y.

- (a) None of these listed air toxics will be emitted from this proposed construction.

Conclusion

The construction of this modification to the existing grain elevator consisting of the addition of two (2) storage silos, one (1) grain dump, and three (3) conveyors will be subject to the conditions of the attached proposed **Construction Permit No. CP-081-8678-00008**.

Indiana Department of Environmental Management Office of Air Management

Addendum to the Technical Support Document for New Construction and Operation

Source Name: Kokomo Grain Company
 Source Location: U.S. 31 and Durham Road, Edinburgh, Indiana 46124
 County: Johnson
 Construction Permit No.: CP-081-8678-00008
 SIC Code: 5153
 Permit Reviewer: Trish Earls/EVP

On October 27, 1997, the Office of Air Management (OAM) had a notice published in the Franklin Daily Journal, Franklin, Indiana, stating that Kokomo Grain Company had applied for a construction permit to construct and operate a modification to the existing grain elevator consisting of the addition of two (2) storage silos, one (1) grain dump, and three (3) conveyors with mineral oil addition as air pollution control. The notice also stated that OAM proposed to issue a permit for this installation 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.

Upon further review, the OAM has decided to make the following changes to the Technical Support Document (TSD) and the Construction Permit:

- (1) In the Federal Rule Applicability section of the TSD (page 4 of 6), part (a)(i)(4) of the requirements of 40 CFR Part 60.300 through 60.304, Subpart DD has been deleted because it does not pertain to this source since there are no barge or ship loading stations at this source.
- (2) Part (a)(4) of Operation Condition 8 has been deleted from the Construction Permit (page 5 of 6) because it does not pertain to this source and is not needed in the permit. Operation Condition 8 has been revised as follows (crossed out text is for emphasis):

Opacity Limitations

8. That pursuant to 40 CFR 60.302(c), the following shall apply:
 - (a) On and after the 60th day of achieving the maximum production rate at which the two (2) storage silos, one (1) grain dump, and three (3) conveyors will be operated, but no later than 180 days after initial startup, this source shall not 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:~~

- (b) Pursuant to 40 CFR 60.303(b), the source will determine compliance with the opacity standards listed above using Method 9 in 40 CFR 60, Appendix A.
- (c) These opacity limits will also satisfy the requirements of 326 IAC 5-1-2.

Appendix A: Emissions Calculations**Grain Elevator
Country Elevator-Small**

Company Name: Kokomo Grain Company
Address City IN Zip: U.S. 31 and Durham Road, Edinburgh, Indiana 46124
CP: 081-8678
Pit ID: 081-00008
Reviewer: Trish Earls
Date: June 11, 1997

GRAINTYPE	BUSHEL RECEIVED PER YEAR	BUSHEL WEIGHTS (lb/bu)
Corn:	3,500,000	56
Soybean:	1,700,000	56
Wheat:	250,000	60

State Potential Emissions (uncontrolled):					
	GRAIN RECEIVING	INTERNAL OPERATIONS*	BIN LOADING	SHIPPING	TOTAL
Maximum Annual Corn Throughput (tons/yr)	98,000	98,000	98,000	98,000	
Maximum Annual Soybean Throughput (tons/yr)	47,600	47,600	47,600	47,600	
Maximum Annual Wheat Throughput (tons/yr)	7,500	7,500	7,500	7,500	
Corn PM Emission Factor in lb/ton	0.1500	0.6250	0.0500	0.0275	
Soybean PM Emission Factor in lb/ton	0.1500	0.6250	0.0500	0.0275	
Wheat PM Emission Factor in lb/ton	0.0600	0.2500	0.0200	0.0110	
Corn PM10 Emission Factor in lb/ton	0.0375	0.2000	0.0125	0.0075	
Soybean PM10 Emission Factor in lb/ton	0.0375	0.2000	0.0125	0.0075	
Wheat PM10 Emission Factor in lb/ton	0.0150	0.0800	0.0050	0.0030	
Corn Dustiness Ratio (DR)	2.5	2.5	2.5	2.5	
Soybean Dustiness Ratio (DR)	2.5	2.5	2.5	2.5	
Wheat Dustiness Ratio (DR)	1.0	1.0	1.0	1.0	
Potential PM Emissions (tons/yr)	11.15	46.44	3.72	2.04	63.34
Potential PM10 Emissions (tons/yr)	2.79	14.86	0.93	0.56	19.13

Federal Potential Emissions (controlled):					
	GRAIN RECEIVING	INTERNAL OPERATIONS*	BIN LOADING	SHIPPING	TOTAL
Potential PM Emissions (tons/yr)	11.15	46.44	3.72	2.04	
Potential PM10 Emissions (tons/yr)	2.79	14.86	0.93	0.56	
Control Equipment (1)	N/A	mineral oil & enclosure	mineral oil	mineral oil	
Control Efficiency	0.00%	90.00%	70.00%	70.00%	
Controlled PM Emissions (tons/yr)	11.15	4.64	1.11	0.61	17.52
Controlled PM10 Emissions (tons/yr)	2.79	1.49	0.28	0.17	4.72

Note:

* The emission factors for Internal Operations has been adjusted such that emissions from grain cleaning are not included since grain cleaning is not performed.

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

Methodology:

Emission factors are from U.S.EPA's AP-42, Interim Section 9.9.1, 11/95, Table 9.9.1-2 (Interim Uncontrolled Particulate Emission Factors for Grain Elevators)

Maximum Annual Throughput (tons/yr) = Bushels received per year (bu/yr) * Grain Weight (lb/bu) * (1 ton/2000 lbs)

Potential PM/PM10 Emissions (tons/yr) = Annual Throughput (tons/yr) * PM/PM10 Emission Factor (lb/ton) * Dustiness Ratio * (1 ton/2000 lbs)

Controlled PM/PM10 Emissions (tons/yr) = Potential Uncontrolled PM/PM10 Emissions (tons/yr) * (1 - Control Efficiency)

326 IAC 6-3-2 Compliance Calculations:

The following calculations determine compliance with 326 IAC 6-3-2 for process weight rates less than 30 tons per hour:

$$E = 4.1 * P^{0.67}$$

where: P = Process Weight Rate, tons/hr = 17.48

E = Allowable Emission Rate, lbs/hr = 27.88

tons/yr = 122.10

(will comply)