



*Mitchell E. Daniels, Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

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Indianapolis, Indiana 46204  
(317) 232-8603  
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TO: Interested Parties / Applicant  
DATE: December 11, 2006  
RE: Azteca Milling, L.P. / 163-21300-00107  
FROM: Nisha Sizemore  
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, 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 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) 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, Room 1049, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

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.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency  
401 M Street  
Washington, D.C. 20406

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.



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## PART 70 OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

**Azteca Milling, L.P.  
15700 Highway 41 North  
Evansville, Indiana 47711**

(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.

**The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.**

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T163-21300-00107	
Issued by: Original Signed By:  Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: December 11, 2006  Expiration Date: December 11, 2011

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## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 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 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

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The Permittee owns and operates a stationary wet corn milling operation producing corn flour at a maximum rate of 320,000 metric tons per year.

Responsible Official:	Vice President
Source Address:	15700 Highway 41 North, Evansville, Indiana 47711
Mailing Address:	P.O. Box 23550, Evansville, Indiana 47724
General Source Phone Number:	(812) 867-3190
SIC Code:	2046
County Location:	Vanderburgh
Source Location Status:	Nonattainment for PM2.5 Basic Nonattainment for Ozone under the 8-hour standard
Source Status:	Attainment for all other criteria pollutants Part 70 Permit Program Major Source, under PSD and Emission Offset Rules; Minor Source, Section 112 of the Clean Air Act

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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

- (a) two (2) natural gas-fired steam boilers, identified as Unit 1 Boiler and Unit 2 Boiler, constructed in 1995 and 1996 respectively, each rated at 10.46 million (MM) British thermal units (Btu) per hour, each exhausting through one (1) stack (ID Stacks 7 and 107), respectively;
- (b) two (2) natural gas-fired steam boilers, identified as, Unit 3 Boiler and Unit 4 Boiler, each rated at 10.46 million (MM) British thermal units (Btu) per hour, each exhausting through separate stacks (ID Stacks 207 and 307), respectively;

Under NSPS 40 CFR 60, Subpart Dc, the four (4) natural gas-fired steam boilers, identified as Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler are considered new stationary boilers because the construction of the four (4) natural gas-fired steam boilers commenced after June 9, 1989.

- (c) one (1) corn receiving pit, identified as Corn Receiving Pit C, constructed in 1995, exhausting through stack (ID Stack 1), located in an enclosed building, with a maximum capacity of 203 metric tons per hour, equipped with a grain scalper to remove foreign material from the corn, with a baghouse (ID B1) for particulate matter control, exhausting through one (1) stack (ID Stack 51);

- (d) three (3) corn receiving pits with hoods , identified as Corn Receiving Pit A, B, and D, each with a maximum capacity of 203 metric tons per hour, each with a baghouse (ID 1, 101, and 51), exhausting through stacks (ID Stacks 1, 101 and 206), each equipped with a grain scalper (A, B, & D) to remove foreign material from the corn, each scalper with a baghouse (ID 2, 102, and 52) for particulate matter control, each exhausting through its own stack (ID Stacks 2, 102 and 52);
- (e) one (1) Grain receiving pit scalper C, associated with existing Grain receiving Pit C, with a baghouse (ID 106) for particulate matter control, exhausting through one (1) stack (ID Stack 106);
- (f) two (2) corn screeners, identified as Unit 1 Screener and Unit 2 Screener, constructed in 1995 and 1996 respectively, one with a maximum capacity of 30 metric tons per hour and the other one with a maximum capacity of 100 metric tons per hour, with a baghouse (ID B1) for particulate matter control, exhausting through one (1) stack (ID Stack 6);
- (g) one (1) lime bin system, constructed in 1995, with a maximum throughput capacity of 22.5 metric tons per hour, using a baghouse (ID B2) for particulate matter control, exhausting through one (1) stack (ID Stack 9);
- (h) one (1) lime bin system, with a maximum throughput capacity of 22.5 metric tons per hour, using a baghouse (ID Baghouse) for particulate matter control, exhausting through one (1) stack (ID Stack 209);
- (i) one (1) drying line, identified as C101, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 1, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 10);
- (j) one (1) drying line, identified as C102, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 2, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 110);
- (k) one (1) drying line, identified as C201, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 1, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 11);
- (l) one (1) drying line, identified as C202, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 2, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 111);
- (m) one (1) drying line, identified as C103, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 3, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 210);

- (n) one (1) drying line, identified as C104, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 4, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 310);
- (o) one (1) drying line, identified as C203, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 3, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 211);
- (p) one (1) drying line, identified as C204, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 4, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 311);
- (q) one (1) flour cooler, identified as FC1, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 12);
- (r) one (1) flour cooler, identified as FC2, constructed 1996, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 112);
- (s) one (1) flour cooler, identified as FC3, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 212);
- (t) one (1) flour cooler, identified as FC4, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 312);
- (u) one (1) flour sifter system, identified as FS1, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B3) for particulate matter control, exhausting through one (1) stack (ID Stack 13);
- (v) one (1) flour sifter system, identified as FS2, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B4) for particulate matter control, exhausting through one (1) stack (ID Stack 113);
- (w) one (1) flour sifter system, identified as FS3, with a maximum capacity of 9.32 metric tons per hour, with three (3) separate steps, each using a baghouse for particulate matter control, exhausting through three (3) stacks (ID Stack 254, 255, & 256);
- (x) one (1) flour sifter system, identified as FS4, with a maximum capacity of 9.32 metric tons per hour, with three (3) separate steps, each using a baghouse for particulate matter control, exhausting through three (3) stacks (ID Stack 354, 355, & 356);
- (y) one (1) milled and dried flour unit, identified as MDF1, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B5) for particulate matter control, exhausting through one (1) stack (ID Stack 14);
- (z) one (1) milled and dried flour unit, identified as MDF2, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B6) for particulate matter control, exhausting through one (1) stack (ID Stack 114);

- (aa) one (1) milled and dried flour unit, identified as MDF3, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B) for particulate matter control, exhausting through one (1) stack (ID Stack 214);
- (bb) one (1) milled and dried flour unit, identified as MDF4, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B) for particulate matter control, exhausting through one (1) stack (ID Stack 314);
- (cc) one (1) corn skin separator, identified as CSS1, constructed in 1995, with a maximum capacity of 0.647 ton per hour, using a baghouse (ID B8) for particulate matter control, exhausting through one (1) stack (ID Stack 40);
- (dd) one (1) pair of corn skin separators, identified as CSS2N and CSS2S, constructed in 1996, each with a maximum capacity of 0.323 ton per hour, each using a baghouse (ID B9N and B9S, respectively) for particulate matter control, each exhausting through one (1) stack (ID Stacks 140N and 140S, respectively);
- (ee) one (1) pair of corn skin separators, identified as CSS3N and CSS3S, each with a maximum capacity of 0.647 ton per hour, each using a baghouse (IDs BN and BS respectively) for particulate matter control, exhausting through one stack (IDs Stack 240N and 240S respectively);
- (ff) one (1) pair of corn skin separators, identified as CSS4N and CSS4S, each with a maximum capacity of 0.323 ton per hour, each using a baghouse (ID BN and BS, respectively) for particulate matter control, each exhausting through one (1) stack (ID Stacks 340N and 340S, respectively).
- (gg) one (1) corn skin storage system, constructed in 1995, with a maximum capacity of 1.294 metric tons per hour, using a baghouse (ID B9) for PM control, exhausting through one (1) stack (ID Stack 15);
- (hh) one (1) rail loading system, constructed in 1995, with a maximum capacity of 21.77 metric tons per hour, with a three way valve leading to three flexible lines, using a pneumatic filtering device (ID B10) for particulate matter control, exhausting indoors (ID Stack 49);
- (ii) one (1) truck loading system, constructed in 2002, sharing a pneumatic filtering device with the rail loading system for particulate matter control, exhausting indoors; and
- (jj) six (6) natural gas fired grain dryers, identified as GD-1, GD-2, GD-3, GD-4, GD-5 and GD-6, each with a maximum heat input rate of 16.80 mm Btu per hour.
- (kk) two (2) rework mill cooling fans, each exhausting through separate stacks (ID Stacks 253 and 353), respectively.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]  
[326 IAC 2-7-5(15)]

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This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Other categories with PM and PM10 emissions below insignificant thresholds:
  - (1) twenty-four (24) flour storage bins, each with one (1) baghouse for PM emissions control, each exhausting through one stack (ID Stacks 16 through 39). [326 IAC 6.5-1-2]
  - (2) twenty-four (24) flour storage bins, each with one (1) baghouse for PM, each exhausting through one stack (ID Stacks 55 through 78); [326 IAC 6.5-1-2]

- (3) a pneumatic conveying system for collection of flour from storage bins, with six (6) baghouses for PM emissions control, exhausting through six (6) stacks (ID Stacks 43 through 48), respectively . [326 IAC 6.5-1-2]
- (4) a pneumatic conveying system for collection of flour from storage bins, with two (2) baghouses for PM emissions control, exhausting through two (2) stacks (ID Stacks 251 and 252); [326 IAC 6.5-1-2]
- (5) two (2) rework bins, each with one (1) baghouse for PM emissions control, each exhausting through one (1) stack (ID Stacks 41 and 42). [326 IAC 6.5-1-2]
- (6) two (2) rework bins, each with one (1) baghouse for PM emissions control, each exhausting through one (1) stack (ID Stacks 241 and 242); [326 IAC 6.5-1-2]
- (7) one (1) ingredients hopper, with one (1) baghouse for PM emissions control exhausting through one (1) stack (ID Stack 53). [326 IAC 6.5-1-2]
- (8) two (2) packaging machines, with one (1) baghouse for PM emissions control, exhausting through one (1) stack (ID Stack 50). [326 IAC 6.5-1-2]
- (9) two (2) packaging machines, with two (2) baghouses for PM emissions control, exhausting through two (2) stacks (ID Stacks 253 and 353) respectively. [326 IAC 6.5-1-2]
- (10) sack dumping, exhausting indoors through one (1) stack (ID Stack 54). [326 IAC 6.5-1-2]
- (11) two (2) lime hoppers, each with a maximum throughput capacity of 8.3 metric tons per hour, each exhausting through one (1) stack (ID Stacks 8 and 108). [326 IAC 6.5-1-2]
- (12) two (2) lime hoppers, each with a maximum throughput capacity of 8.3 metric tons per hour, each exhausting through one (1) stack (ID Stacks 208 and 308); [326 IAC 6.5-1-2]
- (13) one (1) 6.0 million Btu per hour natural gas fired wet cake dryer, with an airflow rate of 4226 dry standard cubic feet per minute (dscf/min), exhausting through stack (ID Stack 80); [326 IAC 6.5-1-2]
- (14) one (1) 6.0 million Btu per hour natural gas fired wet cake dryer, with an airflow rate of 4226 dry standard cubic feet per minute (dscf/min) ), exhausting through stack (ID Stack 180). [326 IAC 6.5-1-2]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

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This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## SECTION B GENERAL CONDITIONS

### B.1 Definitions [326 IAC 2-7-1]

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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 2-7) shall prevail.

### B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4(a)(1)(D)] [IC 13-15-3-6(a)]

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- (a) This permit, T163-21300-00107, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, 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, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

### B.3 Term of Conditions [326 IAC 2-1.1-9.5]

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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 [326 IAC 2-7-7]

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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 [326 IAC 2-7-5(5)]

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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 [326 IAC 2-7-5(6)(D)]

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

### B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

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- (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 the "responsible official" as defined by 326 IAC 2-7-1(34). 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 [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

- (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 a responsible official 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) A responsible official is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted in letter form no later than April 15 of each year to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report 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) The annual compliance certification report shall include the following:
  - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
  - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)]  
[326 IAC 1-6-3]

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- (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 PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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 Emergency Provisions [326 IAC 2-7-16]

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- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance Section), or  
Telephone Number: 317-233-0178 (ask for Compliance Section)  
Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
  - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
  - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
  - (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
  - (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
  - (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

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- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
- (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T163-21300-00107 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(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 nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

- (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 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
  - (1) Submitted at least nine (9) months 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 2-7 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.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

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

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

**B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]**  
[326 IAC 2-7-12 (b)(2)]

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- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

**B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]**

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b), (c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

**B.21 Source Modification Requirement [326 IAC 2-7-10.5] [326 IAC 2-2-2] and [326 IAC 2-3-2]**

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- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and 326 IAC 2-3-2.

**B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1] [IC 13-17-3-2]**

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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 Part 70 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 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 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 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.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:  
  
Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251  
  
The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) 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.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [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 2-7-5(1)]

#### C.1 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.2 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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

#### C.3 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. 326 IAC 9-1-2 is not federally enforceable.

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

#### C.5 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

#### C.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
- (2) If there is a change in the following:
  - (A) Asbestos removal or demolition start date;
  - (B) Removal or demolition contractor; or
  - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

### **Testing Requirements [326 IAC 2-7-6(1)]**

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

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- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (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.8 Compliance Requirements [326 IAC 2-1.1-11]**

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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 2-7-5(1)] [326 IAC 2-7-6(1)]**

##### **C.9 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

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Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

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

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

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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- (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 [326 IAC 2-7-5] [326 IAC 2-7-6]**

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on February 28, 2001.
- (b) Upon direct notification by IDEM, OAQ, 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 episode level.  
[326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
  - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records;
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

**C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]**

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- (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 and 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]**

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- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
    - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
    - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The emission statement 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.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

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- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-2-1 (qq) and 326 IAC 2-3-1 (ll)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a "major modification" (as defined in 326 IAC 2-2-1 (ee) and 326 IAC 2-3-1 (z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1 (rr) and 326 IAC 2-3-1 (mm)), the Permittee shall comply with following:
- (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1 (qq) and 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:
- (A) A description of the project.
- (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
- (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
- (i) Baseline actual emissions;
- (ii) Projected actual emissions;
- (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and 326 IAC 2-3-1(mm)(2)(A)(3); and
- (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

- (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251
- (c) 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.
- (d) 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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) 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.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and 326 IAC 2-3-1 (ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
  - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx) and 326 IAC 2-3-1 (qq), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for a project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
  - (1) The name, address, and telephone number of the major stationary source.

- (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C-General Record Keeping Requirements.
- (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and 326 IAC 2-3-2(c)(3).
- (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management  
Air Compliance Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

### **Stratospheric Ozone Protection**

#### **C.19 Compliance with 40 CFR 82 and 326 IAC 22-1**

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Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

## SECTION D.1 FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]

- (a) two (2) natural gas-fired steam boilers, identified as Unit 1 Boiler and Unit 2 Boiler, constructed in 1995 and 1996 respectively, each rated at 10.46 million (MM) British thermal units (Btu) per hour, each exhausting through one (1) stack (ID Stacks 7 and 107), respectively;
- (b) two (2) natural gas-fired steam boilers, identified as, Unit 3 Boiler and Unit 4 Boiler, each rated at 10.46 million (MM) British thermal units (Btu) per hour, each exhausting through separate stacks (ID Stacks 207 and 307), respectively;

Under NSPS 40 CFR 60, Subpart Dc, the four (4) natural gas-fired steam boilers, identified as Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler are considered new stationary boilers because the construction of the four (4) natural gas-fired steam boilers commenced after June 9, 1989.

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

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.1.1 Particulate Matter [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(b), particulate matter emissions from each of the four (4) boilers (ID Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler) shall be limited to no greater than 0.01 gr/dscf.

#### D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan (PMP), in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their emission control devices.

### New Source Performance Standards (NSPS) Requirements [326 IAC 12-1]

#### D.1.3 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the four (4) boilers (ID Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler) described in this section except when otherwise specified in 40 CFR Part 60, Subpart Dc.

#### D.1.4 Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR Part 60, Subpart Dc]

Pursuant to 40 CFR Part 60, Subpart Dc, the Permittee shall comply with the provisions of the National Source Performance Standards for Small Industrial-Commercial- Institutional Steam Generating Units, as specified as follows.

### § 60.40c Applicability and delegation of authority.

(a) Except as provided in paragraph (d) of this section, the affected facility to which this subpart applies is each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million Btu per hour (Btu/hr)) or less, but greater than or equal to 2.9 MW (10 million Btu/hr).

(b) In delegating implementation and enforcement authority to a State under section 111(c) of the Clean Air Act, § 60.48c(a)(4) shall be retained by the Administrator and not transferred to a State.

(c) Steam generating units which meet the applicability requirements in paragraph (a) of this section are not subject to the sulfur dioxide (SO<sub>2</sub>) or particulate matter (PM) emission limits, performance testing requirements, or monitoring requirements under this subpart (§§ 60.42c, 60.43c, 60.44c, 60.45c, 60.46c, or 60.47c) during periods of combustion research, as defined in § 60.41c.

(d) Any temporary change to an existing steam generating unit for the purpose of conducting combustion research is not considered a modification under § 60.14.

(g) Any facility covered by an EPA approved State or Federal section 111(d)/129 plan implementing subpart BBBB of this part is not covered by this subpart.

### **§ 60.41c Definitions.**

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

*Annual capacity factor* means the ratio between the actual heat input to a steam generating unit from an individual fuel or combination of fuels during a period of 12 consecutive calendar months and the potential heat input to the steam generating unit from all fuels had the steam generating unit been operated for 8,760 hours during that 12-month period at the maximum design heat input capacity. In the case of steam generating units that are rented or leased, the actual heat input shall be determined based on the combined heat input from all operations of the affected facility during a period of 12 consecutive calendar months.

*Coal* means all solid fuels classified as anthracite, bituminous, subbituminous, or lignite by the American Society of Testing and Materials in ASTM D388-77, 90, 91, 95, or 98a, Standard Specification for Classification of Coals by Rank (IBR--see Sec. 60.17), coal refuse, and petroleum coke. Coal-derived synthetic fuels derived from coal for the purposes of creating useful heat, including but not limited to solvent refined coal, gasified coal, coal-oil mixtures, and coal-water mixtures, are also included in this definition for the purposes of this subpart.

*Coal refuse* means any by-product of coal mining or coal cleaning operations with an ash content greater than 50 percent (by weight) and a heating value less than 13,900 kilojoules per kilogram (kJ/kg) (6,000 Btu per pound (Btu/lb) on a dry basis.

*Cogeneration steam generating unit* means a steam generating unit that simultaneously produces both electrical (or mechanical) and thermal energy from the same primary energy source.

*Combined cycle system* means a system in which a separate source (such as a stationary gas turbine, internal combustion engine, or kiln) provides exhaust gas to a steam generating unit.

*Combustion research* means the experimental firing of any fuel or combination of fuels in a steam generating unit for the purpose of conducting research and development of more efficient combustion or more effective prevention or control of air pollutant emissions from combustion, provided that, during these periods of research and development, the heat generated is not used for any purpose other than preheating combustion air for use by that steam generating unit (i.e., the heat generated is released to the atmosphere without being used for space heating, process heating, driving pumps, preheating combustion air for other units, generating electricity, or any other purpose).

*Conventional technology* means wet flue gas desulfurization technology, dry flue gas desulfurization technology, atmospheric fluidized bed combustion technology, and oil hydrodesulfurization technology.

*Distillate oil* means fuel oil that complies with the specifications for fuel oil numbers 1 or 2, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils" (incorporated by reference -- see § 60.17).

*Dry flue gas desulfurization technology* means a sulfur dioxide (SO<sub>2</sub>) control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a dry powder material. This definition includes devices where the dry powder material is subsequently converted to another form. Alkaline reagents used in dry flue gas desulfurization systems include, but are not limited to, lime and sodium compounds.

*Duct burner* means a device that combusts fuel and that is placed in the exhaust duct from another source (such as a stationary gas turbine, internal combustion engine, kiln, etc.) to allow the firing of additional fuel to heat the exhaust gases before the exhaust gases enter a steam generating unit.

*Emerging technology* means any SO<sub>2</sub> control system that is not defined as a conventional technology under this section, and for which the owner or operator of the affected facility has received approval from the Administrator to operate as an emerging technology under § 60.48c(a)(4).

*Federally enforceable* means all limitations and conditions that are enforceable by the Administrator, including the requirements of 40 CFR Parts 60 and 61, requirements within any applicable State implementation plan, and any permit requirements established under 40 CFR 52.21 or under 40 CFR 51.18 and 40 CFR 51.24.

*Fluidized bed combustion technology* means a device wherein fuel is distributed onto a bed (or series of beds) of limestone aggregate (or other sorbent materials) for combustion; and these materials are forced upward in the device by the flow of combustion air and the gaseous products of combustion. Fluidized bed combustion technology includes, but is not limited to, bubbling bed units and circulating bed units.

*Fuel pretreatment* means a process that removes a portion of the sulfur in a fuel before combustion of the fuel in a steam generating unit.

*Heat input* means heat derived from combustion of fuel in a steam generating unit and does not include the heat derived from preheated combustion air, recirculated flue gases, or exhaust gases from other sources (such as stationary gas turbines, internal combustion engines, and kilns).

*Heat transfer medium* means any material that is used to transfer heat from one point to another point.

*Maximum design heat input capacity* means the ability of a steam generating unit to combust a stated maximum amount of fuel (or combination of fuels) on a steady state basis as determined by the physical design and characteristics of the steam generating unit.

*Natural gas* means (1) a naturally occurring mixture of hydrocarbon and nonhydrocarbon gases found in geologic formations beneath the earth's surface, of which the principal constituent is methane, or (2) liquefied petroleum (LP) gas, as defined by the American Society for Testing and Materials in ASTM D1835-86, 87, 91, or 97, "Standard Specification for Liquefied Petroleum Gases" (incorporated by reference -- see § 60.17).

*Noncontinental area* means the State of Hawaii, the Virgin Islands, Guam, American Samoa, the Commonwealth of Puerto Rico, or the Northern Mariana Islands.

*Oil* means crude oil or petroleum, or a liquid fuel derived from crude oil or petroleum, including distillate oil and residual oil.

*Potential sulfur dioxide emission rate* means the theoretical SO<sub>2</sub> emissions (nanograms per joule [ng/J], or pounds per million Btu [lb/million Btu] heat input) that would result from combusting fuel in an uncleaned state and without using emission control systems.

*Process heater* means a device that is primarily used to heat a material to initiate or promote a chemical reaction in which the material participates as a reactant or catalyst.

*Residual oil* means crude oil, fuel oil that does not comply with the specifications under the definition of distillate oil, and all fuel oil numbers 4, 5, and 6, as defined by the American Society for Testing and Materials in ASTM D396-78, 89, 90, 92, 96, or 98, "Standard Specification for Fuel Oils" (incorporated by reference -- see § 60.17).

*Steam generating unit* means a device that combusts any fuel and produces steam or heats water or any other heat transfer medium. This term includes any duct burner that combusts fuel and is part of a combined cycle system. This term does not include process heaters as defined in this subpart.

*Steam generating unit operating day* means a 24-hour period between 12:00 midnight and the following midnight during which any fuel is combusted at any time in the steam generating unit. It is not necessary for fuel to be combusted continuously for the entire 24-hour period.

*Wet flue gas desulfurization technology* means an SO<sub>2</sub> control system that is located between the steam generating unit and the exhaust vent or stack, and that removes sulfur oxides from the combustion gases of the steam generating unit by contacting the combustion gases with an alkaline slurry or solution and forming a liquid material. This definition includes devices where the liquid material is subsequently converted to another form. Alkaline reagents used in wet flue gas desulfurization systems include, but are not limited to, lime, limestone, and sodium compounds.

*Wet scrubber system* means any emission control device that mixes an aqueous stream or slurry with the exhaust gases from a steam generating unit to control emissions of particulate matter (PM) or SO<sub>2</sub>.

*Wood* means wood, wood residue, bark, or any derivative fuel or residue thereof, in any form, including but not limited to sawdust, sanderdust, wood chips, scraps, slabs, millings, shavings, and processed pellets made from wood or other forest residues.

#### **§ 60.48c Reporting and recordkeeping requirements.**

(g) The owner or operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day. The owner or operator of an affected facility that only burns very low sulfur fuel oil or other liquid or gaseous fuels with potential sulfur dioxide emissions rate of 140 ng/J (0.32 lb/MMBtu) heat input or less shall record and maintain records of the fuels combusted during each calendar month.

(i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

**SECTION D.2**

**FACILITY OPERATION CONDITIONS**

**Facility Description [326 IAC 2-7-5(15)]**

- (c) one (1) corn receiving pit, identified as Corn Receiving Pit C, constructed in 1995, exhausting through stack (ID Stack 1), located in an enclosed building, with a maximum capacity of 203 metric tons per hour, equipped with a grain scalper to remove foreign material from the corn, with a baghouse (ID B1) for particulate matter control, exhausting through one (1) stack (ID Stack 51);
- (d) three (3) corn receiving pits with hoods, identified as Corn Receiving Pit A, B, and D, each with a maximum capacity of 203 metric tons per hour, each with a baghouse (ID 1, 101, and 51), exhausting through stacks (ID Stacks 1, 101 and 206), each equipped with a grain scalper (A, B, & D) to remove foreign material from the corn, each scalper with a baghouse (ID 2, 102, and 52) for particulate matter control, each exhausting through its own stack (ID Stacks 2, 102 and 52);
- (e) one (1) Grain receiving pit scalper C, associated with existing Grain receiving Pit C, with a baghouse (ID 106) for particulate matter control, exhausting through one (1) stack (ID Stack 106);
- (f) two (2) corn screeners, identified as Unit 1 Screener and Unit 2 Screener, constructed in 1995 and 1996 respectively, one with a maximum capacity of 30 metric tons per hour and the other one with a maximum capacity of 100 metric tons per hour, with a baghouse (ID B1) for particulate matter control, exhausting through one (1) stack (ID Stack 6);
- (g) one (1) lime bin system, constructed in 1995, with a maximum throughput capacity of 22.5 metric tons per hour, using a baghouse (ID B2) for particulate matter control, exhausting through one (1) stack (ID Stack 9);
- (h) one (1) lime bin system, with a maximum throughput capacity of 22.5 metric tons per hour, using a baghouse (ID Baghouse) for particulate matter control, exhausting through one (1) stack (ID Stack 209);
- (i) one (1) drying line, identified as C101, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 1, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 10);
- (j) one (1) drying line, identified as C102, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 2, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 110);
- (k) one (1) drying line, identified as C201, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 1, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 11);
- (l) one (1) drying line, identified as C202, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 2, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 111);

**Facility Description [326 IAC 2-7-5(15)] Cont'd**

- (m) one (1) drying line, identified as C103, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 3, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 210);
- (n) one (1) drying line, identified as C104, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 4, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 310);
- (o) one (1) drying line, identified as C203, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 3, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 211);
- (p) one (1) drying line, identified as C204, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 4, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 311);
- (q) one (1) flour cooler, identified as FC1, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 12);
- (r) one (1) flour cooler, identified as FC2, constructed 1996, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 112);
- (s) one (1) flour cooler, identified as FC3, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 212);
- (t) one (1) flour cooler, identified as FC4, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 312);
- (u) one (1) flour sifter system, identified as FS1, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B3) for particulate matter control, exhausting through one (1) stack (ID Stack 13);
- (v) one (1) flour sifter system, identified as FS2, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B4) for particulate matter control, exhausting through one (1) stack (ID Stack 113);
- (w) one (1) flour sifter system, identified as FS3, with a maximum capacity of 9.32 metric tons per hour, with three (3) separate steps, each using a baghouse for particulate matter control, exhausting through three (3) stacks (ID Stack 254, 255, & 256);
- (x) one (1) flour sifter system, identified as FS4, with a maximum capacity of 9.32 metric tons per hour, with three (3) separate steps, each using a baghouse for particulate matter control, exhausting through three (3) stacks (ID Stack 354, 355, & 356);

**Facility Description [326 IAC 2-7-5(15)] Cont'd**

- (y) one (1) milled and dried flour unit, identified as MDF1, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B5) for particulate matter control, exhausting through one (1) stack (ID Stack 14);
- (z) one (1) milled and dried flour unit, identified as MDF2, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B6) for particulate matter control, exhausting through one (1) stack (ID Stack 114);
- (aa) one (1) milled and dried flour unit, identified as MDF3, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B) for particulate matter control, exhausting through one (1) stack (ID Stack 214);
- (bb) one (1) milled and dried flour unit, identified as MDF4, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B) for particulate matter control, exhausting through one (1) stack (ID Stack 314);
- (cc) one (1) corn skin separator, identified as CSS1, constructed in 1995, with a maximum capacity of 0.647 ton per hour, using a baghouse (ID B8) for particulate matter control, exhausting through one (1) stack (ID Stack 40);
- (dd) one (1) pair of corn skin separators, identified as CSS2N and CSS2S, constructed in 1996, each with a maximum capacity of 0.323 ton per hour, each using a baghouse (ID B9N and B9S, respectively) for particulate matter control, each exhausting through one (1) stack (ID Stacks 140N and 140S, respectively);
- (ee) one (1) pair of corn skin separator, identified as CSS3N and CSS3S, each with a maximum capacity of 0.647 ton per hour, each using a baghouse (IDs BN and BS respectively) for particulate matter control, exhausting through one stack (IDs Stack 240N and 240S respectively);
- (ff) one (1) pair of corn skin separators, identified as CSS4N and CSS4S, each with a maximum capacity of 0.323 ton per hour, each using a baghouse (ID BN and BS, respectively) for particulate matter control, each exhausting through one (1) stack (ID Stacks 340N and 340S, respectively);
- (gg) one (1) corn skin storage system, constructed in 1995, with a maximum capacity of 1.294 metric tons per hour, using a baghouse (ID B9) for PM control, exhausting through one (1) stack (ID Stack 15);
- (hh) one (1) rail loading system, constructed in 1995, with a maximum capacity of 21.77 metric tons per hour, with a three way valve leading to three flexible lines, using a pneumatic filtering device (ID B10) for particulate matter control, exhausting indoors (ID Stack 49);
- (ii) one (1) truck loading system, constructed in 2002, sharing a pneumatic filtering device with the rail loading system for particulate matter control, exhausting indoors; and
- (jj) six (6) natural gas fired grain dryers, identified as GD-1, GD-2, GD-3, GD-4, GD-5 and GD-6, each with a maximum heat input rate of 16.80 mm Btu per hour.
- (kk) two (2) rework mill cooling fans, each exhausting through separate stacks (ID Stacks 253 and 353), respectively.

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

**Emission Limitations and Standards [326 IAC 2-7-5(1)]**

**D.2.1 Particulate Matter (PM) [326 IAC 6.5-1-2]**

Pursuant to 326 IAC 6.5-1-2(a) (Vanderburgh County Particulate Limitations), particulate matter (PM) emissions from the facilities listed below shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf).

Facility ID
Corn Receiving & Screening
Grain Receiving Pit A Hood
Grain Receiving Pit B Hood
Grain Receiving Pit D Hood
Grain Receiving Pit A Scalper
Grain Receiving Pit B Scalper
Grain Receiving Pit C Scalper
Grain Receiving Pit D Scalper
Lime Hopper System
Lime Bin System
Drying Line C101
Drying Line C102
Drying Line C103
Drying Line C104
Drying Line C201
Drying Line C202
Drying Line C203
Drying Line C204
Rework Mill Cooling Fan I
Rework Mill Cooling Fan II
Flour Cooler FC1
Flour Cooler FC2
Flour Cooler FC3
Flour Cooler FC4
Flour Sifter System FS1
Flour Sifter System FS2
Flour Sifter System FS3 (Step1)
Flour Sifter System FS3 (Step2)
Flour Sifter System FS3 (Step3)
Flour Sifter System FS4 (Step1)
Flour Sifter System FS4 (Step2)
Flour Sifter System FS4 (Step3)
Milled & Dried Flour Unit MDF1
Milled & Dried Flour Unit MDF2
Milled & Dried Flour Unit MDF3
Milled & Dried Flour Unit MDF4
Corn Skin Separators CSS1
Corn Skin Separators CSS2N
Corn Skin Separators CSS2S
Corn Skin Separators CSS3N
Corn Skin Separators CSS3S
Corn Skin Separators CSS4N
Corn Skin Separators CSS4S
Corn Skin Storage System
Rail Loading System

**D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]**

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A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities and their emission control devices.

**Compliance Determination Requirements**

**D.2.3 Particulate Control**

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In order to comply with Condition D.2.1:

- (a) the baghouses for PM control shall be in operation and control emissions from the corn receiving pit, the corn screeners, three (3) grain receiving pit hoods, A, B, and D, four (4) grain receiving pit scalpers, A, B, C and D, one (1) lime bin system, one (1) lime hopper system, four (4) milled and dried flour units, MFD1, MFD2, MDF3 and MDF4, four (4) flour sifter systems, FS1, FS2, FS3 and FS4, two (2) rework mill cooling fans and seven (7) corn skin separators, CSS1, CSS2N, CSS2S, CSS3N, CSS3S, CSS3N and CSS4S, and the corn skin storage system at all times that these facilities are in operation.
- (b) The cyclones shall be in operation and control emissions from the eight (8) drying lines, C101, C102, C103, C104, C201, C202, C203 and C204 and the four (4) flour coolers, FC1, FC2, FC3 and FC4 at all times that these facilities are in operation.
- (c) The cartridge filter shall be in operation and control emissions from the rail loading system at all times that the rail loading system is in operation.

**D.2.4 Testing Requirements [326 IAC 2-7-6(1), (6)] [326 IAC 2-1.1-11]**

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- (a) The Permittee shall perform PM testing on baghouse B1 (Stack 6), between March 2008 and September 2008, utilizing methods 5 or 17 (40 CFR 60, Appendix A) or other methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. In addition to these requirements IDEM may require compliance testing when necessary to determine if the facilities are in compliance.
- (b) The Permittee shall perform PM testing on baghouse 1 (Stack 1), the Unit 1, Drying First Circuit Cyclone (Stack 10), the Unit 1, Drying Second Circuit Cyclone (Stack 11), the Unit 3, Drying First Circuit Cyclone (Stack 210), the Unit 3, Drying Second Circuit Cyclone (Stack 211), the Flour Cooler Cyclone (Stack 12), baghouse B8 (Stack 40), and baghouse B9 (Stack 15), the Flour Cooler Cyclone (Stack 212) and the baghouse BN (Stack 240N) within ninety (90) days of the issuance of this Part 70 Permit renewal, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. In addition to these requirements IDEM may require compliance testing when necessary to determine if the facilities are in compliance.

**Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]**

**D.2.5 Visible Emissions Notations**

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- (a) Daily visible emission notations of each of the cyclone stacks identified as Stacks 10, 110, 210 and 310 shall be performed during normal daylight operations when exhausting to the atmosphere. 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.2.6 Cyclone Failure Detection

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In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

### **Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### D.2.7 Record Keeping Requirements

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- (a) To document compliance with Condition D.2.5, the Permittee shall maintain records of visible emission notations of each of the cyclone stack exhausts identified as Stacks 10, 110, 210 and 310 once per day.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

### SECTION D.3

### FACILITY OPERATION CONDITIONS

#### Facility Description [326 IAC 2-7-5(15)]

##### Insignificant Activities

- (a) Other categories with PM and PM10 emissions below insignificant thresholds:
- (1) twenty-four (24) flour storage bins, each with one (1) baghouse for PM emissions control, each exhausting through one stack (ID Stacks 16 through 39). [326 IAC 6.5-1-2]
  - (2) twenty-four (24) flour storage bins, each with one (1) baghouse for PM, each exhausting through one stack (ID Stacks 55 through 78); [326 IAC 6.5-1-2]
  - (3) a pneumatic conveying system for collection of flour from storage bins, with six (6) baghouses for PM emissions control, exhausting through six (6) stacks (ID Stacks 43 through 48), respectively . [326 IAC 6.5-1-2]
  - (4) a pneumatic conveying system for collection of flour from storage bins, with two (2) baghouses for PM emissions control, exhausting through two (2) stacks (ID Stacks 251 and 252); [326 IAC 6.5-1-2]
  - (5) two (2) rework bins, each with one (1) baghouse for PM emissions control, each exhausting through one (1) stack (ID Stacks 41 and 42). [326 IAC 6.5-1-2]
  - (6) two (2) rework bins, each with one (1) baghouse for PM emissions control, each exhausting through one (1) stack (ID Stacks 241 and 242); [326 IAC 6.5-1-2]
  - (7) one (1) ingredients hopper, with one (1) baghouse for PM emissions control exhausting through one (1) stack (ID Stack 53). [326 IAC 6.5-1-2]
  - (8) two (2) packaging machines, with one (1) baghouse for PM emissions control, exhausting through one (1) stack (ID Stack 50). [326 IAC 6.5-1-2]
  - (9) sack dumping, exhausting indoors through one (1) stack (ID Stack 54). [326 IAC 6.5-1-2]
  - (10) two (2) lime hoppers, each with a maximum throughput capacity of 8.3 metric tons per hour, each exhausting through one (1) stack (ID Stacks 8 and 108). [326 IAC 6.5-1-2]
  - (11) two (2) lime hoppers, each with a maximum throughput capacity of 8.3 metric tons per hour, each exhausting through one (1) stack (ID Stacks 208 and 308); [326 IAC 6.5-1-2]
  - (12) one (1) 6.0 million Btu per hour natural gas fired wet cake dryer, with an airflow rate of 4226 dry standard cubic feet per minute (dscf/min); [326 IAC 6.5-1-2]
  - (13) one (1) 6.0 million Btu per hour natural gas fired wet cake dryer, with an airflow rate of 4226 dry standard cubic feet per minute (dscf/min). [326 IAC 6.5-1-2]

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

## **Emission Limitations and Standards [326 IAC 2-7-5(1)]**

### **D.3.1 Particulate Matter (PM) [326 IAC 6.5-1-2]**

---

Pursuant to 326 IAC 6.5-1-2(a)(Vanderburgh Particulate Limitations), particulate matter (PM) emissions from each of the facilities listed above shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf).

## **Compliance Determination Requirements [326 IAC 2-7-6(1)][326 IAC 2-7-5(1)]**

### **D.3.2 Particulate Control**

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The baghouses for PM control shall be in operation and control emissions from the forty-eight (48) flour storage bins, the two (2) pneumatic conveying systems, the four (4) rework bins, the ingredients hopper, the two (2) packaging machines, the sack dumping operation, and the four (4) lime hoppers at all times that these facilities are in operation.

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

### PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Azteca Milling, L.P.  
Source Address: 15700 Highway 41 North, Evansville, Indiana 47711  
Mailing Address: P.O. Box 23550, Evansville, Indiana 47724  
Part 70 Permit No.: T163-21300-00107

**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:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Azteca Milling, L.P.  
Source Address: 15700 Highway 41 North, Evansville, Indiana 47711  
Mailing Address: P.O. Box 23550, Evansville, Indiana 47724  
Part 70 Permit No.: T163-21300-00107

**This form consists of 2 pages**

**Page 1 of 2**

- |  |
|--|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none"><li>C The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and</li><li>C The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.</li></ul> |
|--|

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Azteca Milling, L.P.  
Source Address: 15700 Highway 41 North, Evansville, Indiana 47711  
Mailing Address: P.O. Box 23550, Evansville, Indiana 47724  
Part 70 Permit No.: T163-21300-00107

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

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

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

**Source Background and Description**

<b>Source Name:</b>	<b>Azteca Milling, L.P.</b>
<b>Source Location:</b>	<b>15700 Highway 41 North, Evansville, Indiana 47711</b>
<b>County:</b>	<b>Vanderburgh</b>
<b>SIC Code:</b>	<b>2046</b>
<b>Operation Permit No.:</b>	<b>T163-7995-00107</b>
<b>Operation Permit Issuance Date:</b>	<b>February 28, 2001</b>
<b>Permit Renewal No.:</b>	<b>163-21300-00107</b>
<b>Permit Reviewer:</b>	<b>Alic Bent/EVP</b>

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Renewal application from Azteca Milling, L.P. relating to the operation of a stationary wet corn milling operation.

**Permitted Emission Units and Pollution Control Equipment**

The source consists of the following permitted emission units and pollution control devices:

- (a) two (2) natural gas-fired steam boilers, identified as Unit 1 Boiler and Unit 2 Boiler, constructed in 1995 and 1996 respectively, each rated at 10.46 million (MM) British thermal units (Btu) per hour, each exhausting through one (1) stack (ID Stacks 7 and 107), respectively;
- (b) two (2) natural gas-fired steam boilers, identified as, Unit 3 Boiler and Unit 4 Boiler, both constructed in 2004, each rated at 10.46 million (MM) British thermal units (Btu) per hour, each exhausting through separate stacks (ID Stacks 207 and 307), respectively;

Under NSPS 40 CFR 60, Subpart Dc, the four (4) natural gas-fired steam boilers, identified as Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler are considered new stationary boilers because the construction of the four (4) natural gas-fired steam boilers commenced after June 9, 1989.

- (c) one (1) corn receiving pit, identified as Corn Receiving Pit C, constructed in 1995, exhausting through stack (ID Stack 1), located in an enclosed building, with a maximum capacity of 203 metric tons per hour, equipped with a grain scalper to remove foreign material from the corn, with a baghouse (ID B1) for particulate matter control, exhausting through one (1) stack (ID Stack 51);
- (d) three (3) corn receiving pits with hoods, identified as Corn Receiving Pit A, B, and D, constructed in 2004, each with a maximum capacity of 203 metric tons per hour, each with a baghouse (ID 1, 101, and 51), exhausting through stacks (ID Stacks 1, 101 and 206), each equipped with a grain scalper (A, B, & D) to remove foreign material from the corn, each scalper with a baghouse (ID 2, 102, and 52) for particulate matter control, each exhausting through its own stack (ID Stacks 2, 102 and 52);
- (e) one (1) Grain receiving pit scalper C, associated with existing Grain receiving Pit C, constructed in 2004, with a baghouse (ID 106) for particulate matter control, exhausting through one (1) stack (ID Stack 106);

- (f) two (2) corn screeners, identified as Unit 1 Screener and Unit 2 Screener, constructed in 1995 and 1996 respectively, one with a maximum capacity of 30 metric tons per hour and the other one with a maximum capacity of 100 metric tons per hour, with a baghouse (ID B1) for particulate matter control, exhausting through one (1) stack (ID Stack 6);
- (g) one (1) lime bin system, constructed in 1995, with a maximum throughput capacity of 22.5 metric tons per hour, using a baghouse (ID B2) for particulate matter control, exhausting through one (1) stack (ID Stack 9);
- (h) one (1) lime bin system, constructed in 2004, with a maximum throughput capacity of 22.5 metric tons per hour, using a baghouse (ID Baghouse) for particulate matter control, exhausting through one (1) stack (ID Stack 209);
- (i) one (1) drying line, identified as C101, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 1, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 10);
- (j) one (1) drying line, identified as C102, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 2, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 110);
- (k) one (1) drying line, identified as C201, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 1, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 11);
- (l) one (1) drying line, identified as C202, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 2, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 111);
- (m) one (1) drying line, identified as C103, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 3, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 210);
- (n) one (1) drying line, identified as C104, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 18 MMBtu per hour, with a cyclone, identified as "Unit 4, Drying First Circuit Cyclone", for particulate matter control, and a heat recovery system and wet scrubber for recovering residual heat, exhausting through one (1) stack (ID Stack 310);
- (o) one (1) drying line, identified as C203, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 3, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 211);
- (p) one (1) drying line, identified as C204, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, with one (1) natural gas-fired flour dryer, rated at 9 MMBtu per hour, with a cyclone, identified as "Unit 4, Drying Second Circuit Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 311);

- (q) one (1) flour cooler, identified as FC1, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 12);
- (r) one (1) flour cooler, identified as FC2, constructed 1996, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 112);
- (s) one (1) flour cooler, identified as FC3, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 212);
- (t) one (1) flour cooler, identified as FC4, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, with a cyclone, identified as "Flour Cooler Cyclone", for particulate matter control, exhausting through one (1) stack (ID Stack 312);
- (u) one (1) flour sifter system, identified as FS1, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B3) for particulate matter control, exhausting through one (1) stack (ID Stack 13);
- (v) one (1) flour sifter system, identified as FS2, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B4) for particulate matter control, exhausting through one (1) stack (ID Stack 113);
- (w) one (1) flour sifter system, identified as FS3, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, with three (3) separate steps, each using a baghouse for particulate matter control, exhausting through three (3) stacks (ID Stack 254, 255, & 256);
- (x) one (1) flour sifter system, identified as FS4, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, with three (3) separate steps, each using a baghouse for particulate matter control, exhausting through three (3) stacks (ID Stack 354, 355, & 356);
- (y) one (1) milled and dried flour unit, identified as MDF1, constructed in 1995, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B5) for particulate matter control, exhausting through one (1) stack (ID Stack 14);
- (z) one (1) milled and dried flour unit, identified as MDF2, constructed in 1996, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B6) for particulate matter control, exhausting through one (1) stack (ID Stack 114);
- (aa) one (1) milled and dried flour unit, identified as MDF3, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B) for particulate matter control, exhausting through one (1) stack (ID Stack 214);
- (bb) one (1) milled and dried flour unit, identified as MDF4, constructed in 2004, with a maximum capacity of 9.32 metric tons per hour, using a baghouse (ID B) for particulate matter control, exhausting through one (1) stack (ID Stack 314);
- (cc) one (1) corn skin separator, identified as CSS1, constructed in 1995, with a maximum capacity of 0.647 ton per hour, using a baghouse (ID B8) for particulate matter control, exhausting through one (1) stack (ID Stack 40);

- (dd) one (1) pair of corn skin separators, identified as CSS2N and CSS2S, constructed in 1996, each with a maximum capacity of 0.323 ton per hour, each using a baghouse (ID B9N and B9S, respectively) for particulate matter control, each exhausting through one (1) stack (ID Stacks 140N and 140S, respectively);
- (ee) one (1) pair of corn skin separators, identified as CSS3N and CSS3S, constructed in 2004, each with a maximum capacity of 0.647 ton per hour, each using a baghouse (IDs BN and BS respectively) for particulate matter control, exhausting through one stack (IDs Stack 240N and 240S respectively);
- (ff) one (1) pair of corn skin separators, identified as CSS4N and CSS4S, constructed in 2004, each with a maximum capacity of 0.323 ton per hour, each using a baghouse (ID BN and BS, respectively) for particulate matter control, each exhausting through one (1) stack (ID Stacks 340N and 340S, respectively).
- (gg) one (1) corn skin storage system, constructed in 1995, with a maximum capacity of 1.294 metric tons per hour, using a baghouse (ID B9) for PM control, exhausting through one (1) stack (ID Stack 15);
- (hh) one (1) rail loading system, constructed in 1995, with a maximum capacity of 21.77 metric tons per hour, with a three way valve leading to three flexible lines, using a pneumatic filtering device (ID B10) for particulate matter control, exhausting indoors (ID Stack 49);
- (ii) one (1) truck loading system, constructed in 2002, sharing a pneumatic filtering device with the rail loading system for particulate matter control, exhausting indoors; and
- (jj) six (6) natural gas fired grain dryers, identified as GD-1, GD-2, GD-3, GD-4, GD-5 and GD-6, constructed in 2004, each with a maximum heat input rate of 16.80 mm Btu per hour.
- (kk) two (2) rework mill cooling fans, constructed in 2004, each exhausting through separate stacks (ID Stacks 253 and 353), respectively.

### **Unpermitted Emission Units and Pollution Control Equipment**

There are no unpermitted emission units operating at this source during this review process.

### **Insignificant Activities**

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour.
- (b) Combustion source flame safety purging on startup.
- (c) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings (applied to bearings and moving parts).
- (d) Cleaners and solvents characterized as follows:
  - (1) having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100°F) or;
  - (2) having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20°C (68°F);

the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

- (e) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- (f) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (g) Process vessel degassing and cleaning to prepare for internal repairs.
- (h) Paved and unpaved roads and parking lots with public access.
- (i) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (j) Blow down for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (k) Other categories with PM and PM10 emissions below insignificant thresholds:
  - (1) twenty-four (24) flour storage bins, each with one (1) baghouse for PM emissions control, each exhausting through one stack (ID Stacks 16 through 39). [326 IAC 6.5-1-2]
  - (2) twenty-four (24) flour storage bins, each with one (1) baghouse for PM, each exhausting through one stack (ID Stacks 55 through 78); [326 IAC 6.5-1-2]
  - (3) a pneumatic conveying system for collection of flour from storage bins, with six (6) baghouses for PM emissions control, exhausting through six (6) stacks (ID Stacks 43 through 48), respectively . [326 IAC 6.5-1-2]
  - (4) a pneumatic conveying system for collection of flour from storage bins, with two (2) baghouses for PM emissions control, exhausting through two (2) stacks (ID Stacks 251 and 252); [326 IAC 6.5-1-2]
  - (5) two (2) rework bins, each with one (1) baghouse for PM emissions control, each exhausting through one (1) stack (ID Stacks 41 and 42). [326 IAC 6.5-1-2]
  - (6) two (2) rework bins, each with one (1) baghouse for PM emissions control, each exhausting through one (1) stack (ID Stacks 241 and 242); [326 IAC 6.5-1-2]
  - (7) one (1) ingredients hopper, with one (1) baghouse for PM emissions control exhausting through one (1) stack (ID Stack 53). [326 IAC 6.5-1-2]
  - (8) two (2) packaging machines, with one (1) baghouse for PM emissions control, exhausting through one (1) stack (ID Stack 50). [326 IAC 6.5-1-2]
  - (9) two (2) packaging machines, with two (2) baghouses for PM emissions control, exhausting through two (2) stacks (ID Stacks 253 and 353) respectively. [326 IAC 6.5-1-2]
  - (10) sack dumping, exhausting indoors through one (1) stack (ID Stack 54). [326 IAC 6.5-1-2]

- (11) two (2) lime hoppers, each with a maximum throughput capacity of 8.3 metric tons per hour, each exhausting through one (1) stack (ID Stacks 8 and 108). [326 IAC 6.5-1-2]
- (12) two (2) lime hoppers, each with a maximum throughput capacity of 8.3 metric tons per hour, each exhausting through one (1) stack (ID Stacks 208 and 308); [326 IAC 6.5-1-2]
- (13) one (1) 6.0 million Btu per hour natural gas fired wet cake dryer, with an airflow rate of 4226 dry standard cubic feet per minute (dscf/min), exhausting through stack (ID Stack 80); [326 IAC 6.5-1-2]
- (14) one (1) 6.0 million Btu per hour natural gas fired wet cake dryer, with an airflow rate of 4226 dry standard cubic feet per minute (dscf/min), exhausting through stack (ID Stack 180). [326 IAC 6.5-1-2]

### Existing Approvals

The source has constructed or has been operating under the following previous approvals:

- (a) Part 70 Operating Permit T163-7995-00107, issued on February 28, 2001;
- (b) First Administrative Amendment 163-16010-00107; issued on September 20, 2002;
- (c) First Significant Permit Modification 163-15980-00107, issued on October 22, 2002;
- (d) Second Administrative Amendment 163-17718-00107, issued on September 8, 2003;
- (e) First Significant Source Modification 163-18534-00107, issued on September 30, 2004; and
- (f) First Significant Permit Modification 163-18652-00107, issued on November 17, 2004.

The following terms and conditions from previous approvals have been revised in this Part 70 permit:

C.17 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]

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- (a) ~~Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:~~

**Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:**

The Significant Permit Modification 163-18652-00107, issued on November 17, 2004 erroneously stated that the Permittee is required to submit an emission statement every three (3) years. However, pursuant to 326 IAC 2-6-3(a)(1), the Permittee is required to submit an emission statement annually by July 1, for sources with the potential to emit annual emissions greater than or equal to two hundred and fifty (250) tons per year of particulate matter less than or equal to ten (10) micrometers (PM-10). This source has the potential to emit PM-10 of greater than 250 tons per year. Therefore 326 IAC 2-6-3(a)(1) applies. This has been corrected in this Part 70 Permit renewal.

The following terms and conditions from previous approvals have been determined no longer applicable; therefore, were not incorporated into this Part 70 permit:

- (a) All construction conditions from all previously issued permits.

Reason not incorporated: All facilities previously permitted have already been constructed; therefore, the construction conditions are no longer necessary as part of the operating permit. Any facilities that were previously permitted but have not yet been constructed would need new pre-construction approval before beginning construction.

### **Air Pollution Control Justification as an Integral Part of the Process**

The company has submitted the following justification such that the baghouses, cartridge filters, and cyclones be considered as an integral part of the pneumatic conveyance system at the milling operation:

- (a) The baghouses, cartridge filters, and cyclones which collect and return raw material and ingredients collected to the process shall be considered an integral part of the various pneumatically conveyed bins and collectors.
- (b) The production process could not be operated without the baghouses, cartridge filters, and cyclones also being in operation since the baghouses, cartridge filters, and cyclones are required to ensure that all of the raw materials are used in the process.

IDEM, OAQ evaluated the justifications at the time of issuance of the initial Part 70 Permit T163-7995-00107 and agreed the baghouses, cartridge filters, and cyclones will be considered as an integral part of the process. Therefore, the permitting level will be determined using the potential to emit after the baghouses, cartridge filters, and cyclones. Operating conditions in the proposed permit will specify that the baghouses, cartridge filters, and cyclones shall operate at all times when the pneumatic conveyance system is in operation.

The new baghouses, cartridge filters, and cyclones added to the source as Significant Source Modification 163-18534-00107, issued on September 30, 2004, were determined to be identical to the previous baghouses, cartridge filters, and cyclones. Therefore, they were determined to be an integral part of the milling operation.

### **Enforcement Issue**

There are no enforcement actions pending.

### **Recommendation**

The staff recommends to the Commissioner that the Part 70 permit 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 administratively complete Part 70 permit renewal application for the purposes of this review was received on June 14, 2005.

There was no notice of completeness letter mailed to the Permittee.

### Emission Calculations

See Appendix A: pages 1 through 3 of this document for detailed emission calculations

### Potential to Emit of the Source

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

The source was issued a Part 70 Operating Permit on February 28, 2001. The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of the original Part 70 operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/emission unit	Potential to Emit (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Boilers 1, 2, 3 and 4	0.36	1.40	0.12	1.00	15.4	18.32	Negl.
Corn Receiving and Screening *	1.13	1.13	--	--	--	--	--
Lime Bin System *	0.05	0.05	--	--	--	--	--
Lime Hopper System *	0.17	0.17	--	--	--	--	--
Grain Dryers GD1-GD6 *	0.84	3.36	0.24	2.4	37.08	44.16	Negl.
Drying Lines C101, C102, C103, C104 *	176.32	178.12	0.2	5.06 **	26.48	31.52	Negl.
Drying Lines C201, C202, C203, C204 *	142.2	143.12	0.08	0.88	13.24	15.76	Negl.
Seven (7) Corn Skin Separators *	4.7	4.7	--	--	--	--	--
Eight (8) Flour Sifter Systems *	19.87	19.87	--	--	--	--	--
Grain Receiving Pit Hoods A, B and D *	6.01	6.01	--	--	--	--	--
Grain Receiving Pit * Scalpers A, B, C and D	14.44	14.44	--	--	--	--	--
Four (4) Milled and Dried Flour Units *	1.76	1.76	--	--	--	--	--
Two (2) Rework Mill Cooling Fans *	3.00	3.00	--	--	--	--	--
Four (4) Flour Coolers *	50.44	50.44	--	--	--	--	--
Corn Skin Storage *	1.50	1.50	--	--	--	--	--

Process/emission unit	Potential to Emit (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Rail Loading System *	1.57	1.57	--	--	--	--	--
Two (2) Cake dryers	0.1	0.4	0.04	0.28	4.42	5.26	Negl.
Total PTE ***	424.46	431.04	0.68	9.62	96.62	115.02	2.17

\* Potential controlled emissions.

\*\*Include VOC emissions from the drying line C101 which were determined to be 0.48 lbs/hr from the stack test conducted at the source using method 25 A.

\*\*\* Total emissions include emissions from Insignificant Activities (48 flour storage bins, flour pneumatic conveying system, rework bins, ingredients hopper, packing lines, and sack dumping), which were determined to be negligible based on stack test data that indicated 0% opacity readings for these operations.

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM-10 and NO<sub>x</sub> are equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) Fugitive Emissions  
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Note: Although this source is located in Evansville, Indiana, it is outside of a 4-mile radius of the corporate limits of the city of Evansville, therefore, this source is not under the jurisdiction of the Evansville EPA, a local agency. This has been confirmed by the inspector for this source.

**Actual Emissions**

The following table shows the actual emissions from the source. This information reflects the 2002 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	No data
PM-10	68
SO <sub>2</sub>	0
VOC	1
CO	17
NO <sub>x</sub>	20
HAP (specify)	No data

## County Attainment Status

The source is located in Vanderburgh County.

Pollutant	Status
PM2.5	Nonattainment
PM-10	Attainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
8-hour Ozone	Basic Nonattainment
CO	Attainment
Lead	Attainment

- (a) 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 the ozone standards. Vanderburgh County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability for the source section.
- (b) U.S.EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Vanderburgh County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office on behalf of IDEM filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (c) Vanderburgh County has been classified as attainment or unclassifiable in Indiana for all other pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) On August 7, 2006, a temporary emergency rule took effect revoking the one-hour ozone standard in Indiana. The Indiana Air Pollution Control Board has approved a permanent rule revision to incorporate these changes into 326 IAC 1-4-1. The permanent revision to 326 IAC 1-4-1 will take effect prior to the expiration of the emergency rule.

## Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assure that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

## Federal Rule Applicability

- (a) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR 60.300 - 60.304, Subpart DD, "Standards of Performance for Grain Elevators") are not included in this permit for the grain handling operations, which include the corn screeners, the corn skin storage system, the railcar unloading operation, the three (3) grain receiving pit hoods A, B and D, four (4) grain receiving pit scalpings A, B, C and D and the six (6) grain dryers (GD1, GD2, GD3, GD4, GD5 and GD6) because they are part of a grain storage elevator at a wet corn mill plant that has a storage capacity of less than one million (1,000,000) bushels.
- (b) The four (4) steam boilers, identified as Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler, are subject to the New Source Performance Standard, 326 IAC 12, (40 CFR 60.40c - 60.48c, Subpart Dc, "Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units") because they were each constructed after the June 9, 1989 rule applicability date, and each has a maximum design heat input capacity greater than 10 MMBtu per hour and less than 100 MMBtu per hour.

Nonapplicable portions of the NSPS will not be included in the permit. The boiler is subject to the following portions of Subpart Dc:

- (1) 40 CFR 60.40c (a)
- (2) 40 CFR 60.41c
- (3) 40 CFR 60.48c (g)
- (4) 40 CFR 60.48c (g)

The provisions of 40 CFR 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the boilers described in this section except when otherwise specified in 40 CFR 60, Subpart Dc.

40 CFR 60, Subpart Dc was amended February 27, 2006 under Federal Register notice 71 FR 9884. However, pursuant to 326 IAC 1-1-3, the version of the rule referenced by 326 IAC 12 is the version in existence on July 1, 2005. Therefore, the amendments are not included in the state rules, and the boilers at this source are subject to both versions of the rule. All the requirements of 326 IAC 12 are the same as the requirements listed under Federal Rule Applicability except 40 CFR 60.48c(g).

Since the requirement of the old version of rule 40 CFR 60.48c(g) is more stringent than the amended version of rule 40 CFR 60.48c(g), the old rule 40 CFR 60.48c(g) will be also applicable to the boilers. The condition to comply with the requirements of the old rule 40 CFR 60.48c(g) shall expire when the revisions made to 40 CFR 60 Subpart Dc, as amended on February 27, 2006, become effective as Indiana Law. This condition is not federally enforceable.

- (c) 40 CFR Part 60, Subpart YYY (New Source Performance Standard Synthetic Organic Chemical Manufacturing Industry (SOCMI)). The US EPA has established the Synthetic Organic Chemical Manufacturing Industry (SOCMI) New Source Performance Standard (NSPS) 40 CFR Part 60, Subpart YYY as a source category requiring new standards. The EPA proposed such requirements on September 12, 1994. As proposed, this rule will be applicable to new, reconstructed or modified process units within the SOCMI to regulate volatile organic compound emissions from wastewater. The source shall evaluate applicability to the rule upon its promulgation and shall comply with the applicable rules.

- (d) The National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart DDDDD are not included in this permit because this rule only applies to boilers or process heaters located at a major source of HAPs. This source is not a major source of HAPs. Therefore, the requirements of Subpart DDDDD are not included in this permit.
- (e) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) included in the permit for this source.
- (f) The requirements of 40 CFR Part 64, Compliance Assurance Monitoring, apply to a pollutant-specific emissions unit (PSEU), as defined in 40 CFR 64.1, at a major source that is required to obtain a Part 70 or 71 permit if the PSEU meets the following criteria:
  - (1) The unit is subject to an emission limitation or standard for an applicable regulated air pollutant,
  - (2) The unit uses a control device as defined in 40 CFR 64.1 to comply with that emission limitation or standard, and
  - (3) The unit has a potential to emit (PTE) before controls equal to or greater than 100 percent of the amount (tons per year) of the pollutant required for a source to be classified as a Part 70 major source.

This source does not contain any unit that has a potential to emit (PTE) before controls equal to or greater than 100 percent of the amount (tons per year) of any pollutant required for the source to be classified as a Part 70 major source. Therefore, this source is not subject to the requirements of 40 CFR 64.

### **State Rule Applicability – Entire Source**

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

This source is not subject to the requirements of 326 IAC 2-2. This source was constructed in 1995, after the August 7, 1977 applicability date, was a minor source when first built and is not one of the 28 listed source categories. The source was issued First Significant Source Modification 163-18534-00107, issued on September 30, 2004 and First Significant Permit Modification 163-18652-00107, issued on November 17, 2004 for the addition of Unit 3 Boiler and Unit 4 Boiler, Corn Receiving Pit A, B, and D, grain receiving pit scalper C, one (1) lime bin system, drying lines C103, C104, C203 and C204, flour coolers FC3 and FC4, flour sifter systems FS3 and FS4, milled and dried flour units MFD3 and MFD4, corn skin separators CSS3N, CSS3S, CSS4N and CSS4S, six (6) grain dryers GD-1, GD-2, GD-3, GD-4, GD-5 and GD-6, and two (2) rework mill cooling fans, with total PM and PM-10 controlled emissions of less than 250 tons per year so that the addition of these units was a minor modification to an existing minor PSD source.

Although the requirements of this rule do not apply to this source, this source is now a major PSD source.

#### **326 IAC 2-3 (Emission Offset)**

This existing source is located in Vanderburgh County which was redesignated on June 15, 2004 as a basic nonattainment area for the 8 hour ozone standard. Upon this redesignation, the source became a major source because it has a potential to emit of NO<sub>x</sub> at greater than the nonattainment NSR applicability threshold of 100 tons per year. As such, any modification made to this source after June 15, 2004 shall be reviewed pursuant to the requirements of 326 IAC 2-3 (Emission Offset). No modifications have occurred at this source since June 15, 2004.

#### Nonattainment NSR

Vanderburgh County has been designated as nonattainment for PM 2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source's PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A major source in a nonattainment area is a source that emits or has the potential to emit one hundred (100) tons per year of any nonattainment regulated pollutant. Upon this designation, the source became a major source because it has a potential to emit of PM10 at greater than the major applicability threshold of 100 tons per year. As such, any modification made to this source after January 5, 2005 shall be reviewed pursuant to the requirements of major NSR. No modifications have occurred at this source since January 5, 2005. Therefore, assuming that PM10 emissions represent PM2.5 emissions, the Non-attainment NSR requirements do not apply.

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

The operation of this wet corn milling plant will emit less than 10 tons per year of a single HAP and 25 tons per year of a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

#### 326 IAC 2-6 (Emission Reporting)

Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). In accordance with the compliance schedule in 326 IAC 2-6-3(a)(1), an emission statement must be submitted annually by July 1. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

#### 326 IAC 5-1 (Opacity Limitations)

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

Note: Although this source is located in Evansville, Indiana, it is outside of a 4 mile radius of the corporate limits of the city of Evansville and not in Pigeon Township, therefore, 326 IAC 5-1-2(2) does not apply.

#### 326 IAC 6.5-1-2 (Vanderburgh County Particulate Limitations)

All facilities at this source are subject to this rule because this source is located in Vanderburgh County which is one of the specifically listed counties under 326 IAC 6.5-1-7 and has potential particulate matter emissions greater than 100 tons per year. Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the facilities listed below shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf).

Facility ID
Corn Receiving & Screening
Grain Receiving Pits A and B w/ Hoods
Grain Receiving Pit D w/ Hood
Grain Receiving Pits A, B and D Scalpers
Grain Receiving Pit C Scalper
Lime Hopper System
Lime Bin System
Drying Lines C101, C102, C103 and C104
Drying Lines C201, C202, C203 and C204
Rework Mill Cooling Fans I and II
Flour Coolers FC1, FC2, FC3 and FC4
Flour Sifter Systems FS1 and FS2
Flour Sifter System FS3 (Step1)
Flour Sifter System FS3 (Step2)
Flour Sifter System FS3 (Step3)
Flour Sifter System FS4 (Step1)
Flour Sifter System FS4 (Step2)
Flour Sifter System FS4 (Step3)
Milled & Dried Flour Units MDF1, MDF2 and MDF4
Milled & Dried Flour Unit MDF3
Corn Skin Separators CSS1, CSS2N and CSS2S
Corn Skin Separator CSS3N, CSS3S, CSS4N and CSS4S
Corn Skin Storage System
Rail Loading System

The four (4) natural gas steam boilers, identified as Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler are subject to 326 IAC 6.5-1-2(b). This limits particulate matter emissions from gaseous fuel-fired combustion steam generators to no greater than 0.01 gr/dscf.

Particulate matter emissions from each of the twenty-four (24) flour storage bins, the pneumatic conveying system, the two (2) rework bins, the ingredients hopper, the two (2) packaging machines, sack dumping, and the two (2) lime hoppers, all of which are insignificant activities, shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf) as required by 326 IAC 6.5-1-2.

This source is not subject to the requirements of 326 IAC 6.5-1-2(d) because this grain processing source has a permanent grain storage capacity of less than 1,000,000 U.S. bushels.

**326 IAC 6-4 (Fugitive Dust Emissions)**

This source is subject to 326 IAC 6-4 for fugitive dust emissions because this rule applies to all sources of fugitive dust. 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).

**State Rule Applicability – Individual Facilities**

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

The facilities at this source are not subject to the requirements of 326 IAC 6-3-2. This rule does not apply if the limitation established in the rule is not consistent with applicable limitations in 326 IAC 6.5-1 or 326 IAC 12. Since the applicable PM limits established by 326 IAC 6.5-1-2 and 326 IAC 12, 40 CFR 60.300, Subpart DD, are less than the PM limits that would be established by 326 IAC 6-3-2, the more stringent limits apply and the limits pursuant to 326 IAC 6-3-2 do not apply.

**326 IAC 6-2-4 (Particulate Emission Limitations for Facilities Specified in 326 IAC 6-2-1(d))**

The four (4) boilers, identified as Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler are not subject to the requirements of 326 IAC 6-2-4. This rule does not apply if the limitation established in the rule is not consistent with applicable limitations in 326 IAC 6.5-1 or 326 IAC 12. Since the applicable PM limits established by 326 IAC 6.5-1-2, are less than the PM limits that would be established by 326 IAC 6-2-4, the more stringent limits apply and the limits pursuant to 326 IAC 6-2-4 do not apply.

**Testing Requirements**

- (a) In March 2003, particulate matter stack test was performed on baghouse B1 (Stack 6) and the corn receiving and screening operation was found to be in compliance. The source shall perform compliance stack test on baghouse B1 (Stack 6) between March 2008 and September 2008 which corresponds to five (5) years since the latest valid stack test plus one hundred and eighty (180) days.
- (b) Particulate matter compliance tests were last performed on the corn skin storage system, the lime hopper, one of the storage silos, the rework bin, bagging and packaging, the first drying circuit, the second drying circuit, the cooling circuit, corn skin separators, the flour sifter and the lime bin from October 7 through 10, 1996 and from October 30, 1996 through November 1, 1996. These tests were determined to be acceptable to IDEM, OAQ and all emission units were found to be in compliance.

Tests have not been performed on baghouse 1 (Stack 1), the Unit 1, Drying First Circuit Cyclone (Stack 10), the Unit 1, Drying Second Circuit Cyclone (Stack 11), the Unit 3, Drying First Circuit Cyclone (Stack 210), the Unit 3, Drying Second Circuit Cyclone (Stack 211), the Flour Cooler Cyclone (Stack 12), baghouse B8 (Stack 40), and baghouse B9 (Stack 15), the Flour Cooler Cyclone (Stack 212) and the baghouse BN (Stack 240N) as previously required.

The source shall perform particulate matter compliance stack tests within ninety (90) days of the issuance of this Part 70 Permit renewal on baghouse 1 (Stack 1), the Unit 1, Drying First Circuit Cyclone (Stack 10), the Unit 1, Drying Second Circuit Cyclone (Stack 11), the Unit 3, Drying First Circuit Cyclone (Stack 210), the Unit 3, Drying Second Circuit Cyclone (Stack 211), the Flour Cooler Cyclone (Stack 12), baghouse B8 (Stack 40), and baghouse B9 (Stack 15), the Flour Cooler Cyclone (Stack 212) and the baghouse BN (Stack 240N). These tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration. In addition to these requirements IDEM may require compliance testing when necessary to determine if the facilities are in compliance.

**Compliance Requirements**

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

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

1. The Unit 1 Drying 1st cyclone, Unit 2 Drying 1st cyclone, Unit 3 Drying 1st cyclone and Unit 4 Drying 1st cyclone have applicable compliance monitoring conditions as specified below:
  - (a) Visible emission notations of each of the cyclone stacks identified as Stacks 10, 110, 210 and 310 shall be performed once per day during normal daylight operations when exhausting to the atmosphere. 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.
  - (f) In the event that cyclone failure has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
2. There are no specific compliance monitoring requirements applicable to the four (4) boilers, identified as Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler because the boilers are operated only using natural gas.

3. There are no specific compliance monitoring requirements applicable to the Unit 1 Drying 2<sup>nd</sup> cyclone, Unit 2 Drying 2<sup>nd</sup> cyclone, Unit 3 Drying 2<sup>nd</sup> cyclone and Unit 4 Drying 2<sup>nd</sup> cyclone, flour coolers FC1, FC2, FC3 and FC4, because each of them has a cyclone as a control device and the allowable emissions for the controlled pollutant are less than 10 lb/hr.
  
4. There are no specific compliance monitoring requirements applicable to the corn skin separators, CSS1, CSS2N, CSS2S, CSS3N, CSS3S, CSS4N and CSS4S, flour sifter systems, FS1, FS2, FS3 (Steps 1-3) and FS4(steps 1-3), corn receiving and screening units controlled by Baghouse B1 and the corn skin storage system controlled by Baghouse B9, grain receiving pit hoods A, B and D, grain receiving pit scalpers, A, B, C and D, lime bin system, lime hopper system, milled and dried flour units MDF1, MDF2, MDF3 and MDF4, rail loading system and rework mill cooling fans I and II, because the emissions are not considered significant.

### **Conclusion**

The operation of this wet corn milling plant shall be subject to the conditions of this Part 70 permit T163-21300-00107.

Appendix A: Process Particulate Emissions

Company Name: Azteca Milling, L.P.  
 Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711  
 Part 70 Permit No.: 163-21300-00107  
 Reviewer: AB/EVP

Potential Emissions (tons/year)							326 IAC 6.5-1-2
Control Device ID No.	Emission Unit ID	Grain Loading per Actual Cubic Foot of Outlet Air	Air Flow Rate (acfm)	Control Efficiency	Total (lbs/hr)	Total (tons/yr)	Allowable PM Emissions
							(lb/hr)
Unit 1 Drying 1st Cyclone	C101 Drying Line	0.02600	45000.00	99.94%	10.03	43.93	11.57
Unit 2 Drying 1st Cyclone	C102 Drying Line	0.02600	45000.00	99.94%	10.03	43.93	11.57
Unit 3 Drying 1st Cyclone	C103 Drying Line	0.02600	45000.00	99.94%	10.03	43.93	11.57
Unit 4 Drying 1st Cyclone	C104 Drying Line	0.02600	45000.00	99.94%	10.03	43.93	11.57
Unit 1 Drying 2nd Cyclone	C201 Drying Line	0.02700	35000.00	99.94%	8.10	35.48	9.00
Unit 2 Drying 2nd Cyclone	C202 Drying Line	0.02700	35000.00	99.94%	8.10	35.48	9.00
Unit 3 Drying 2nd Cyclone	C203 Drying Line	0.02700	35000.00	99.94%	8.10	35.48	9.00
Unit 4 Drying 2nd Cyclone	C204 Drying Line	0.02700	35000.00	99.94%	8.10	35.48	9.00
Baghouse B8	Corn Skin Separator CSS1	0.00350	6518.00	99.99%	0.20	0.86	1.68
Baghouse B9S	Corn Skin Separator CSS2S	0.00350	6518.00	99.99%	0.20	0.86	1.68
Baghouse B9N	Corn Skin Separator CSS4N	0.00350	6518.00	99.99%	0.20	0.86	1.68
Baghouse BN	Corn Skin Separator CSS3N	0.00350	4000.00	99.99%	0.12	0.53	1.03
Baghouse BS	Corn Skin Separator CSS3S	0.00350	4000.00	99.99%	0.12	0.53	1.03
Baghouse BN	Corn Skin Separator CSS4N	0.00350	4000.00	99.99%	0.12	0.53	1.03
Baghouse BS	Corn Skin Separator CSS4S	0.00350	4000.00	99.99%	0.12	0.53	1.03
Baghouse B3	Flour Sifter System FS1	0.01400	366.00	99.99%	0.04	0.19	0.09
Baghouse B4	Flour Sifter System FS2	0.01400	366.00	99.99%	0.04	0.19	0.09
Baghouse Step 1	Flour Sifter System FS3	0.01400	1300.00	99.99%	0.16	0.68	0.33
Baghouse Step 2	Flour Sifter System FS3	0.01400	8800.00	99.99%	1.06	4.63	2.26
Baghouse Step 3	Flour Sifter System FS3	0.01400	8900.00	99.99%	1.07	4.68	2.29
Baghouse Step 1	Flour Sifter System FS4	0.01400	360.00	99.99%	0.04	0.19	0.09
Baghouse Step 2	Flour Sifter System FS4	0.01400	8900.00	99.99%	1.07	4.68	2.29
Baghouse Step 3	Flour Sifter System FS4	0.01400	8800.00	99.99%	1.06	4.63	2.26
Baghouse 1	Grain Receiving Pit A Hood	0.01000	3000.00	99.99%	0.26	1.13	0.77
Baghouse 101	Grain Receiving Pit B Hood	0.01000	3000.00	99.99%	0.26	1.13	0.77
Baghouse 51	Grain Receiving Pit D Hood	0.01000	10000.00	99.99%	0.86	3.75	2.57
Baghouse 2	Grain Receiving Pit A Scalper	0.01000	10000.00	99.99%	0.86	3.75	2.57
Baghouse 102	Grain Receiving Pit B Scalper	0.01000	10000.00	99.99%	0.86	3.75	2.57
Baghouse 106	Grain Receiving Pit C Scalper	0.01000	8500.00	99.99%	0.73	3.19	2.19
Baghouse 52	Grain Receiving Pit D Scalper	0.01000	10000.00	99.99%	0.86	3.75	2.57
Baghouse B1	Corn Receiving & Screening	0.01000	3000.00	99.99%	0.26	1.13	0.77
Baghouse B2	Lime Hopper System	0.00860	521.00	99.99%	0.04	0.17	0.13
Baghouse B2	Lime Bin System	0.00860	149.00	99.99%	0.01	0.05	0.04
Baghouse B5	Milled & Dried Flour Unit MDF1	0.00850	1450.00	99.99%	0.11	0.46	0.37
Baghouse B6	Milled & Dried Flour Unit MDF2	0.00850	1450.00	99.99%	0.11	0.46	0.37
Baghouse B	Milled & Dried Flour Unit MDF3	0.00850	1200.00	99.99%	0.09	0.38	0.31
Baghouse B	Milled & Dried Flour Unit MDF4	0.00850	1450.00	99.99%	0.11	0.46	0.37
Baghouse	Rework Mill Cooling Fan	0.01000	4000.00	99.99%	0.34	1.50	1.03
Baghouse	Rework Mill Cooling Fan	0.01000	4000.00	99.99%	0.34	1.50	1.03
Cyclone	Flour Cooler FC1	0.02800	12000.00	99.99%	2.88	12.61	3.09
Cyclone	Flour Cooler FC2	0.02800	12000.00	99.99%	2.88	12.61	3.09
Cyclone	Flour Cooler FC3	0.02800	12000.00	99.99%	2.88	12.61	3.09
Cyclone	Flour Cooler FC4	0.02800	12000.00	99.99%	2.88	12.61	3.09
Baghouse B9	Corn Skin Storage System	0.01000	4000.00	99.99%	0.34	1.50	1.03
Cartridge Filter B10	Rail Loading System	0.03000	1396.00	99.99%	0.36	1.57	0.36

Total Potential Emissions (metric tons/yr): 422.26 133.32  
 583.936344

Total Emissions Based on Rated Capacity at 8,760 Hours/Year and source controls  
 Note: The baghouses and cyclones, which are part of a pneumatic conveyance system, are used to collect and return raw material to the process.  
 Therefore, they are considered integral to the process and are included in the uncontrolled emissions.  
 The 326 IAC 6.5-1-2 allowable PM emissions are greater than the controlled emissions for each operation, therefore, all operations are in compliance with this rule.

Potential Emissions:  
 Baghouse (tons/yr) = Loading (grains/acfm) \* Air Flow Rate (acfm) \* 1 lb/7,000 grains \* 60 min/hr \* 8760 hr/yr \* 1 ton/2,000 lbs

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

Company Name: Azteca Milling, L.P.  
 Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711  
 Part 70 Permit No.: 163-21300-00107  
 Reviewer: AB/EVP

Emission Unit ID	Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
Steam Boiler 1	10.46	91.6
Steam Boiler 2	10.46	91.6
Steam Boiler 3	10.46	91.6
Steam Boiler 4	10.46	91.6
Flour Dryer C101	18.00	157.7
Flour Dryer C102	18.00	157.7
Flour Dryer C103	18.00	157.7
Flour Dryer C104	18.00	157.7
Flour Dryer C201	9.00	78.8
Flour Dryer C202	9.00	78.8
Flour Dryer C203	9.00	78.8
Flour Dryer C204	9.00	78.8
Grain Dryer GD1	16.80	147.2
Grain Dryer GD2	16.80	147.2
Grain Dryer GD3	16.80	147.2
Grain Dryer GD4	16.80	147.2
Grain Dryer GD5	16.80	147.2
Grain Dryer GD6	16.80	147.2
Cake Dryer	6.00	52.6
Cake Dryer	6.00	52.6

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0	5.5	84.0
				**see below		
Steam Boiler 1 Potential Emission in tons/yr	0.09	0.35	0.03	4.58	0.25	3.85
Steam Boiler 2 Potential Emission in tons/yr	0.09	0.35	0.03	4.58	0.25	3.85
Steam Boiler 3 Potential Emission in tons/yr	0.09	0.35	0.03	4.58	0.25	3.85
Steam Boiler 4 Potential Emission in tons/yr	0.09	0.35	0.03	4.58	0.25	3.85
Flour Dryer C101 Potential Emission in tons/yr	0.15	0.60	0.05	7.88	0.43	6.62
Flour Dryer C102 Potential Emission in tons/yr	0.15	0.60	0.05	7.88	0.43	6.62
Flour Dryer C103 Potential Emission in tons/yr	0.15	0.60	0.05	7.88	0.43	6.62
Flour Dryer C104 Potential Emission in tons/yr	0.15	0.60	0.05	7.88	0.43	6.62
Flour Dryer C201 Potential Emission in tons/yr	0.07	0.30	0.02	3.94	0.22	3.31
Flour Dryer C202 Potential Emission in tons/yr	0.07	0.30	0.02	3.94	0.22	3.31
Flour Dryer C203 Potential Emission in tons/yr	0.07	0.30	0.02	3.94	0.22	3.31
Flour Dryer C204 Potential Emission in tons/yr	0.07	0.30	0.02	3.94	0.22	3.31
Grain Dryer GD1 Potential Emission in tons/yr	0.14	0.56	0.04	7.36	0.40	6.18
Grain Dryer GD2 Potential Emission in tons/yr	0.14	0.56	0.04	7.36	0.40	6.18
Grain Dryer GD3 Potential Emission in tons/yr	0.14	0.56	0.04	7.36	0.40	6.18
Grain Dryer GD4 Potential Emission in tons/yr	0.14	0.56	0.04	7.36	0.40	6.18
Grain Dryer GD5 Potential Emission in tons/yr	0.14	0.56	0.04	7.36	0.40	6.18
Grain Dryer GD6 Potential Emission in tons/yr	0.14	0.56	0.04	7.36	0.40	6.18
Cake Dryer Potential Emission in tons/yr	0.05	0.20	0.02	2.63	0.14	2.21
Cake Dryer Potential Emission in tons/yr	0.05	0.20	0.02	2.63	0.14	2.21
<b>Total Emissions in tons/yr</b>	<b>2.19</b>	<b>8.74</b>	<b>0.69</b>	<b>115.04</b>	<b>6.33</b>	<b>96.63</b>

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

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

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

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

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

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

See page 3 for HAPs emissions calculations.

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

Page 3 of 3 TSD App A

**HAPs Emissions**

**Company Name: Azteca Milling, L.P.**  
**Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711**  
**Part 70 Permit No.: 163-21300-00107**  
**Reviewer: AB/EVP**

**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	2.4E-03	1.380E-03	8.628E-02	2.071E+00	3.911E-03

**HAPs - Metals**

	Lead	Cadmium	Chromium	Manganese	Nickel	<b>Total (ton/yr)</b>
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	5.752E-04	1.265E-03	1.611E-03	4.371E-04	2.416E-03	<b>2.171E+00</b>

Methodology is the same as page 2.

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