



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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Indianapolis, Indiana 46204
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TO: Interested Parties / Applicant

DATE: December 5, 2011

RE: Azteca Milling / 163-30167-00107

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

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, 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, Suite N 501E, 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, Indiana 47725**

(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.

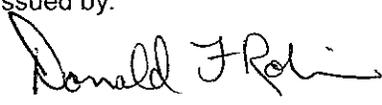
Operation Permit No.: T163-30167-00107	
Issued by:  Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Issuance Date: December 5, 2011 Expiration Date: December 5, 2016

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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)]

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.

Source Address:	15700 Highway 41 North, Evansville, Indiana, Indiana 47725
General Source Phone Number:	(812) 867-3190
SIC Code:	2046
County Location:	Vanderburgh
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Major Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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, 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, 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, constructed in 2005 and with a maximum capacity of 203 metric tons per hour 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) Corn cleaning operation, consisting of six (6) corn screeners/cleaners:
 - (1) Two (2) corn cleaners, identified as Unit 1 Screener and Unit 2 Screener, used for first step cleaning, 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 controlled by a cyclone in series with a baghouse (ID B1) for particulate matter control, exhausting through one (1) stack (ID Stack 6);
 - (2) Four (4) corn screeners/cleaners, identified as Unit 3 Screener with a capacity of 12.5 metric tons per hour (13.8 short tons per hour), controlled by a cyclone in series with a baghouse, ID B11; Unit 4 Screener with a capacity of 13.8 short tons per hour, controlled by a cyclone in series with a baghouse, ID B12; Unit 5 Screener with a capacity of 13.8 short tons per hour, controlled by a cyclone in series with a baghouse, ID B13; and Unit 6 Screener with a capacity of 13.8 short tons per hour, controlled by a cyclone in series with a baghouse, ID B14, each is used for second step cleaning, permitted in 2009. All baghouses are exhausting through one (1) stack (ID Stack 6).
 - (3) Three (3) clean corn storage bins, identified as E, F and G, that service all four (4) lines, 1-4, each has a capacity of 8,800 cubic feet, controlled by baghouse B1, exhausting through stack 6.
 - (4) Four (4) corn hoppers and two (2) hopper scales, each has a throughput rate of 5,000 pounds per hour, controlled by baghouse B1, exhausting through 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 with a maximum capacity of 73.3 tons per hour and 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, each with a maximum capacity of 9.32 tons per hour.

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

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 with a maximum capacity of 1.55 tons per hour, 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 with a maximum capacity of 1.55 tons per hour, 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 a maximum capacity of 24 tons per hour, 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 a maximum capacity of 24 tons per hour, 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 with a maximum capacity of 0.41 tons per hour, 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 with a maximum capacity of 0.41 tons per hour, 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 a maximum capacity of 1.2 tons per hour, 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 a maximum capacity of 24 tons per hour, 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 with a maximum capacity of 24 tons per hour, 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) and with a maximum capacity of 2.5tons per hour, 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) and with a maximum capacity of 2.5tons per hour, exhausting through stack (ID Stack 180). [326 IAC 6.5-1-2]

Existing Approvals

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

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]

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)]

- (a) This permit, T163-30167-00107, 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]

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] [IC 13-17-12]

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)]

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)]

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)]

- (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. 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) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

- (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(34), and
 - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent 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 no later than April 15 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
- (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.

The Permittee shall implement the PMPs.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, 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.

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

The Permittee shall implement the PMPs.

- (c) 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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).
- (d) 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]

- (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, or Southwest Regional Office 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 and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Southwest Regional Office phone: (812) 380-2305; fax: (812) 380-2304.

- (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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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.

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

- (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 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 T163-30167-00107 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 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 Operating 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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.16 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least 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, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12(b)(2)]

- (a) No Part 70 permit revision or notice 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.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

- (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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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.20 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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.22 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
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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.23 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.24 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 5-1-1 (Applicability) and 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 thirty percent (30%) 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.

C.3 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

-
- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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]

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)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (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.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (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.12 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to 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 excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning 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 normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;

- (2) review of operation and maintenance procedures and records; and/or
- (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

- (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 submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) 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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "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.15 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]

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
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (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, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.
- (c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 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/or 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/or 326 IAC 2-3-1(II)) 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/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 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/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:
 - (1) 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

- (2) 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.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

- (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 except that 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. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (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) 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.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq) and/or 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/or 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).

- (f) The report for project at an existing emissions unit shall be submitted no later than 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 (d)(1) and (2) 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/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

- (g) 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.18 Compliance with 40 CFR 82 and 326 IAC 22-1

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 applicable standards for recycling and emissions reduction.

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;

(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.

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) Corn cleaning operation, consisting of six (6) corn screeners/cleaners:
 - (1) Two (2) corn cleaners, identified as Unit 1 Screener and Unit 2 Screener, used for first step cleaning, 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);
 - (2) Four (4) corn screeners/cleaners, identified as Unit 3 Screener with a capacity of 12.5 metric tons per hour (13.8 short tons per hour), controlled by a cyclone in series with a baghouse, ID B11; Unit 4 Screener with a capacity of 13.8 short tons per hour, controlled by a cyclone in series with a baghouse, ID B12; Unit 5 Screener with a capacity of 13.8 short tons per hour, controlled by a cyclone in series with a baghouse, ID B13; and Unit 6 Screener with a capacity of 13.8 short tons per hour, controlled by a cyclone in series with a baghouse, ID B14, each is used for second step cleaning, permitted in 2009. All baghouses are exhausting through one (1) stack (ID Stack 6).
 - (3) Three (3) clean corn storage bins, identified as E, F and G, that service all four (4) lines, 1-4, each has a capacity of 8,800 cubic feet, controlled by baghouse B1, exhausting through stack 6.
 - (4) Four (4) corn hoppers and two (2) hopper scales, each has a throughput rate of 5,000 pounds per hour, controlled by baghouse B1, exhausting through 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 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 (Unit 1 and 2 Screeners)
Unit 3 Screener
Unit 4 Screener
Unit 5 Screener
Unit 6 Screener
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)

Facility ID
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 Particulate Matter Emissions Prevention of Significant Deterioration (PSD) Minor Limits [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 not applicable with respect to PM emissions, the combined Particulate Matter emissions from the four (4) screeners/cleaners, Unit 3 Screener, controlled by cyclone/baghouse, ID B11; Unit 4 Screener, controlled by cyclone/baghouse, ID B12; Unit 5 Screener, controlled by cyclone/baghouse, ID B13 and Unit 6 Screener controlled by cyclone/baghouse, ID B14 shall be limited to 5.6 pounds per hour.

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for this facility and its control devices. Section B - Preventative Maintenance Plan contains the Permittee's obligation with regard to the preventative maintenance plan required by this condition.

Compliance Determination Requirements

D.2.4 Particulate Control

In order to demonstrate compliance with Conditions D.2.1 and D.2.2:

- (a) the baghouses for PM control shall be in operation and control emissions from the corn receiving pit, the corn screeners/cleaners (Unit 1 through 6 Screeners), three (3) grain receiving pit hoods, A, B, and D, four (4) grain receiving pit scalpings, 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.2.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

- (a) In order to demonstrate compliance with Condition D.2.1, 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) utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C-Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.
- (b) In order to demonstrate compliance with Condition D.2.2, the Permittee shall perform PM testing on across each baghouse associated with Screeners/Cleaners 3 through 6, to demonstrate compliance utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C-Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

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

D.2.6 Visible Emissions Notations [40 CFR Part 64]

- (a) Daily visible emission notations of the four (4) Screeners/Cleaners (Unit 3 Screener, Unit 4 Screener, Unit 5 Screener and Unit 6 Screener) cyclone/baghouses, ID B11, ID B12, ID B13 and ID B14 stack 6 and 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. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.2.7 Baghouse Parametric Monitoring [40 CFR Part 64]

The Permittee shall record the pressure drop across baghouse, ID B11, controlling Unit 3 Screener; baghouse ID B12, controlling Unit 4 Screener; baghouse ID B13, controlling Unit 5 Screener and baghouse ID B14, controlling Unit 6 Screener, at least once per day when the process is in operation. When for any one reading, the pressure drop across baghouse ID B11 is outside the normal range of 0.5 to 8.0 inches of water or a range established during the latest stack test, baghouse ID B12 is outside the normal range of 4.0 to 8.0 inches of water or a range

established during the latest stack test, baghouse ID B13 is outside the normal range of 3.5 to 8.0 inches of water or a range established during the latest stack test, and baghouse ID B14 is outside the normal range of 2.5 to 8.0 inches of water a range established during the latest stack test the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

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

D.2.8 Broken or Failed Bag Detection [40 CFR Part 64]

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

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

D.2.9 Cyclone Failure Detection [40 CFR Part 64]

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.2.10 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.6, the Permittee shall maintain records of visible emission notations of the four (4) Screeners/Cleaners (Unit 3 Screener, Unit 4 Screener, Unit 5 Screener and Unit 6 Screener) cyclone/baghouses, ID B11, ID B12, ID B13 and ID B14 stack 6 and each of the cyclone stack exhausts identified as Stacks 10, 110, 210 and 310 once per day. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).

- (b) To document the compliance status with Condition D.2.7, the Permittee shall maintain a daily record of the pressure drop across baghouses, ID B11, ID B12, ID B13 and ID B14 controlling the four (4) Screeners/Cleaners (Unit 3 Screener, Unit 4 Screener, Unit 5 Screener and Unit 6 Screener). The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).

- (c) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required to be maintained by this condition.

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).

D.3.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for this facility and its control devices. Section B - Preventative Maintenance Plan contains the Permittee's obligation with regard to the preventative maintenance plan required by this condition.

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

D.3.3 Particulate Control

In order to demonstrate the compliance with Condition 3.1, 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.

SECTION E.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.)

E.1.1 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.

E.1.2 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.

- (a) 40 CFR § 60.40c(a)
- (b) 40 CFR § 60.41c
- (c) 40 CFR § 60.48c(g)(1)(i)

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Azteca Milling, L.P.
Source Address: 15700 Highway 41 North, Evansville, Indiana, Indiana 47725
Part 70 Permit No.: T163-30167-00107

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 AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
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, Indiana 47725
Part 70 Permit No.: T163-30167-00107

This form consists of 2 pages

Page 1 of 2

- This is an emergency as defined in 326 IAC 2-7-1(12)
- 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
 - 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.

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

Page 2 of 2

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 ₂ , VOC, NO _x , 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: _____

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH
 PART 70 OPERATING PERMIT
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Azteca Milling, L.P.
 Source Address: 15700 Highway 41 North, Evansville, Indiana, Indiana 47725
 Part 70 Permit No.: T163-30167-00107

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements of this permit, 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	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	Azteca Milling, L.P.
Source Address:	15700 Highway 41 North, Evansville, Indiana 47725
County:	Vanderburgh
SIC Code:	2046
Permit Renewal No.:	T163-30167-00107
Permit Reviewer:	Teresa Freeman

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Azteca Milling, L.P. relating to the operation of a stationary wet corn milling operation. On February 2, 2011, Azteca Milling, L.P. submitted an application to the OAQ requesting to renew its operating permit. Azteca Milling, L.P. was issued its first Part 70 Operating Permit Renewal T163-21300-00107 on December 11, 2006.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

- (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, 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, constructed in 2005 and with a maximum capacity of 203 metric tons per hour 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) Corn cleaning operation, consisting of six (6) corn screeners/cleaners:
 - (1) Two (2) corn cleaners, identified as Unit 1 Screener and Unit 2 Screener, used for first step cleaning, 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 controlled by a cyclone in series with a baghouse (ID B1) for particulate matter control, exhausting through one (1) stack (ID Stack 6);
 - (2) Four (4) corn screeners/cleaners, identified as Unit 3 Screener with a capacity of 12.5 metric tons per hour (13.8 short tons per hour), controlled by a cyclone in series with a baghouse, ID B11; Unit 4 Screener with a capacity of 13.8 short tons per hour, controlled by a cyclone in series with a baghouse, ID B12; Unit 5 Screener with a capacity of 13.8 short tons per hour, controlled by a cyclone in series with a baghouse, ID B13; and Unit 6 Screener with a capacity of 13.8 short tons per hour, controlled by a cyclone in series with a baghouse, ID B14, each is used for second step cleaning, permitted in 2009. All baghouses are exhausting through one (1) stack (ID Stack 6).
 - (3) Three (3) clean corn storage bins, identified as E, F and G, that service all four (4) lines, 1-4, each has a capacity of 8,800 cubic feet, controlled by baghouse B1, exhausting through stack 6.
 - (4) Four (4) corn hoppers and two (2) hopper scales, each has a throughput rate of 5,000 pounds per hour, controlled by baghouse B1, exhausting through 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 with a maximum capacity of 73.3 tons per hour and 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, each with a maximum capacity of 9.32 tons per hour.

Insignificant Activities

The source also consists of the following insignificant activities:

- (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 with a maximum capacity of 1.55 tons per hour, 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 with a maximum capacity of 1.55 tons per hour, 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 a maximum capacity of 24 tons per hour, 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 a maximum capacity of 24 tons per hour, 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 with a maximum capacity of 0.41 tons per hour, 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 with a maximum capacity of 0.41 tons per hour, 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 a maximum capacity of 1.2 tons per hour, 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 a maximum capacity of 24 tons per hour, 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 with a maximum capacity of 24 tons per hour, 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) and with a maximum capacity of 2.5tons per hour, 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) and with a maximum capacity of 2.5tons per hour, exhausting through stack (ID Stack 180). [326 IAC 6.5-1-2]

Existing Approvals

Since the issuance of the Part 70 Operating Permit No. 163-21300-00107 on December 11, 2006, the source has constructed or has been operating under the following additional approvals:

- (a) Administrative Amendment No. 163-26193-00107 issued on March 20, 2008;
- (b) Minor Source Modification No. 163-27516-00107 issued on December 15, 2009; and
- (c) Significant Permit Modification No. 163-27886-00107 issued on February 12, 2010.

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

Air Pollution Control Justification as an Integral Part of the Process

The company has previously 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 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.

Azteca Milling, L.P submitted the following information with the application for Minor Source Modification 163-27516-00107 and issued on December 15, 2009 to justify why the cyclone and baghouse controlling each corn screener/cleaner should be considered an integral part of each corn screener/cleaner.

The four (4) corn screeners/cleaners are used as second step cleaners for partially cleaned corn. As partially cleaned corn flows into the inlet, air is blown through the chamber creating a fluidized bed. Clean corn passes through the chamber and further down the process, while impurities are pushed toward the cyclone and baghouse in series. Another blower is located after these control devices which moves the air to exhaust to the existing Baghouse 1 stack ID #6. Although the new corn screeners/cleaners control devices do not recycle the raw material back into the process, the new corn screeners/cleaners cannot bypass the control or operate without these control devices.

IDEM, OAQ evaluated the justification and agreed that the combination of cyclone and baghouse, controlling each four (4) corn screeners/cleaners will be considered an integral part of these corn screeners/cleaners. Therefore, for the purpose of determining the Part 70 permitting level under 326 IAC 2-7-10.5, the potential to emit after the cyclone and baghouse will be determined. Operating conditions in the proposed permit will specify that the corn screeners/cleaners cyclone and baghouse shall operate at all times when the new corn screeners/cleaners are in operation.

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Vanderburgh County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective January 30, 2006, for the Evansville area, including Vanderburgh County, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.

¹ Attainment effective October 18, 2000, for the 1-hour ozone standard for the Evansville area, including Vanderburgh County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour designation was revoked effective June 15, 2005.
 Basic nonattainment designation effective federally April 5, 2005, for PM_{2.5}.

(a) Ozone Standards

Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) 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 NO_x emissions are considered when evaluating the rule applicability relating to ozone. Vanderburgh County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) PM_{2.5}

U.S. EPA, in the Federal Register Notice 70 FR 943 dated January 5, 2005, has designated Vanderburgh County as nonattainment for PM_{2.5}. On March 7, 2005 the Indiana Attorney General's Office, on behalf of IDEM, filed a lawsuit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of nonattainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for a violation of the Clean Air Act, the OAQ is following the U.S. EPA's New Source Review Rule for PM_{2.5} promulgated on May 8, 2008. These rules became effective on July 15, 2008. Therefore, direct PM_{2.5} and SO₂ emissions were reviewed pursuant to the requirements of Nonattainment New Source Review, 326 IAC 2-1.1-5. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants

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

Fugitive Emissions

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

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Unrestricted Potential Emissions	
Pollutant	Tons/year
PM	Greater than 250
PM ₁₀	Greater than 250
PM _{2.5}	Greater than 250
SO ₂	Less than 100
VOC	Less than 100
CO	Less than 100
NO _x	Greater than 100, Less than 250
Single HAP	Less than 10
Total HAP	less than 25

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

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM₁₀, PM_{2.5} and NO_x is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7 and will be issued a Part 70 Operating Permit Renewal.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, because the source met 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 assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Potential to Emit After Issuance

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any new control equipment is considered federally enforceable only after issuance of this Part 70 permit renewal, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/ Emission Unit	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	GHG	HAPs
Boilers 1, 2, 3 and 4	0.35	1.39	1.39	0.11	18.33	1.01	15.39	2511.4	Negl.
Lime Bin System	0.009	0.005	0.005	--	--	--	--	--	--
Grain Dryers GD1-GD6	423.98	106.00	18.2	--	--	--	--	--	--
Grain Dryers GD1-GD6 combustion	0.84	3.36	3.36	0.26	44.15	2.43	37.09	6084.81	Negl.
Flour Drying Lines*	0.72	0.18	0.03	--	--	--	--	--	--
Flour Drying Lines combustion	0.90	3.60	3.60	0.28	47.30	2.60	39.74	6519.44	Negl.
Seven (7) Corn Skin Separators	0.467	0.467	0.467	--	--	--	--	--	--
Eight (8) Flour Sifter Systems	0.88	0.22	0.22	--	--	--	--	--	--
Corn Receiving Pit C	0.54	0.54	0.54	--	--	--	--	--	--
Grain Receiving Pit Hoods A, B and D	1.63	1.63	1.63	--	--	--	--	--	--
Grain Receiving Pit Scalpers A, B, C and D	2.17	2.17	2.17	--	--	--	--	--	--
Four (4) Milled and Dried Flour Units	0.10	0.06	0.01	--	--	--	--	--	--
Two (2) Rework Mill Cooling Fans	0.05	0.03	0.005	--	--	--	--	--	--
Four (4) Flour Coolers	0.36	0.09	0.02	--	--	--	--	--	--
Corn Skin Storage	0.002	0.002	0.002	--	--	--	--	--	--
Truck/Rail Loading System	0.03	0.03	0.03	--	--	--	--	--	--
Two (2) Wet Cake dryers	0.05	0.01	0.00	--	--	--	--	--	--
Two (2) Wet Cake dryers combustion	0.10	0.40	0.40	0.03	5.26	0.29	4.42	724.38	Negl.
Total from 6 Corn Screeners/Cleaners	20.37	3.93	3.69	--	--	--	--	--	--
pneumatic conveying system for flour system	2.25	0.97	0.97	--	--	--	--	--	--
Insignificant Activities	3.55	2.91	2.71	--	--	--	--	--	--
Total PTE of Entire Source**	455.79	125.07	36.65	0.69	115.04	6.33	96.63	15840.04	2.17
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000	10
PSD Major Source Thresholds	250	250	NA	250	250	250	250	100,000	NA
Emission Offset/Nonattainment NSR Major Source Thresholds	NA	NA	100	NA	NA	NA	NA	NA	NA

- (a) This existing stationary source is major for PSD because the emissions of at least one attainment pollutant are greater than two hundred fifty (>250) tons per year, and it is not in one of the twenty-eight (28) listed source categories.
- (b) This existing stationary source is major for Emission Offset because the emissions of the nonattainment pollutant, PM2.5 are greater than one hundred (>100) tons per year.

Federal Rule Applicability

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each existing pollutant-specific emission unit that meets the following criteria:
 - (1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each existing emission unit and specified pollutant subject to CAM:

Emission Unit / Pollutant	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Flour Drying Line-PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Drying Line-PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Drying Line-PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Flour Drying Line-PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Drying Line-PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Drying Line-PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Flour Drying Line-PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Drying Line-PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Drying Line-PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Flour Drying Line-PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Drying Line-PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Drying Line-PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Flour Drying Line-PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Drying Line-PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Drying Line-PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Flour Drying Line-PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Drying Line-PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Drying Line-PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Flour Drying Line-PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Drying Line-PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Drying Line-PM2.5	Cyclone	Y	0.38	0.004	100	N	N

Emission Unit / Pollutant	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Flour Drying Line-PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Drying Line-PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Drying Line-PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Corn Skin Separator-PM	Baghouse	Y	9.35	0.09	100	N	N
Corn Skin Separator-PM10	Baghouse	Y	9.35	0.09	100	N	N
Corn Skin Separator-PM2.5	Baghouse	Y	9.35	0.09	100	N	N
Corn Skin Separator-PM	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM10	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM2.5	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM10	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM2.5	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM	Baghouse	Y	9.35	0.09	100	N	N
Corn Skin Separator-PM10	Baghouse	Y	9.35	0.09	100	N	N
Corn Skin Separator-PM2.5	Baghouse	Y	9.35	0.09	100	N	N
Corn Skin Separator-PM	Baghouse	Y	9.35	0.09	100	N	N
Corn Skin Separator-PM10	Baghouse	Y	9.35	0.09	100	N	N
Corn Skin Separator-PM2.5	Baghouse	Y	9.35	0.09	100	N	N
Corn Skin Separator-PM	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM10	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM2.5	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM10	Baghouse	Y	4.67	0.05	100	N	N
Corn Skin Separator-PM2.5	Baghouse	Y	4.67	0.05	100	N	N
Flour Sifter System-PM	Baghouse	Y	11.02	0.11	100	N	N
Flour Sifter System - PM10	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System - PM2.5	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System-PM	Baghouse	Y	11.02	0.11	100	N	N
Flour Sifter System - PM10	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System - PM2.5	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System-PM	Baghouse	Y	11.02	0.11	100	N	N
Flour Sifter System - PM10	Baghouse	Y	2.78	0.03	100	N	N

Emission Unit / Pollutant	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Flour Sifter System - PM2.5	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System-PM	Baghouse	Y	11.02	0.11	100	N	N
Flour Sifter System - PM10	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System - PM2.5	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System-PM	Baghouse	Y	11.02	0.11	100	N	N
Flour Sifter System - PM10	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System - PM2.5	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System-PM	Baghouse	Y	11.02	0.11	100	N	N
Flour Sifter System - PM10	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System - PM2.5	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System-PM	Baghouse	Y	11.02	0.11	100	N	N
Flour Sifter System - PM10	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System - PM2.5	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System-PM	Baghouse	Y	11.02	0.11	100	N	N
Flour Sifter System - PM10	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System - PM2.5	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System-PM	Baghouse	Y	11.02	0.11	100	N	N
Flour Sifter System - PM10	Baghouse	Y	2.78	0.03	100	N	N
Flour Sifter System - PM2.5	Baghouse	Y	2.78	0.03	100	N	N
Corn Receiving Pit C-PM	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving -PM10	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit C-PM2.5	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit A Hood-PM	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit A Hood-PM10	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit A Hood-PM2.5	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit B Hood-PM	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit B Hood-PM10	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit B Hood-PM2.5	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit D Hood-PM	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit D Hood-PM10	Baghouse	Y	54.24	0.54	100	N	N

Emission Unit / Pollutant	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Corn Receiving Pit D Hood-PM2.5	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit A Scalper-PM	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit A Scalper-PM10	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit A Scalper-PM2.5	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit B Scalper-PM	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit B Scalper-PM10	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit B Scalper-PM2.5	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit C-PM Scalper	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit C Scalper-PM10	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit C Scalper-PM2.5	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit D Scalper-PM	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit D Scalper-PM10	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving Pit D Scalper-PM2.5	Baghouse	Y	54.24	0.54	100	N	N
Corn Receiving & Screening-PM	pneumatic filtering device	Y	54.24	0.54	100	N	N
Corn Receiving & Screening-PM10	pneumatic filtering device	Y	54.24	0.54	100	N	N
Corn Receiving & Screening	pneumatic filtering device	Y	54.24	0.54	100	N	N
Four (4) corn screeners/cleaners-PM	Cyclone/Baghouse	Y	PM = 453 each corn screener/cleaner	PM = 4.53 each corn screener/cleaner	100	Y	N
Four (4) corn screeners/cleaners-PM10	Cyclone/Baghouse	Y	PM10 = 42 each corn screener/cleaner	PM10 = 0.42 each corn screener/cleaner	100	N	N
Four (4) corn screeners/cleaners-PM2.5	Cyclone/Baghouse	Y	PM2.5 = 36 each corn screener/cleaner	PM2.5 = 0.36 each corn screener/cleaner	100	N	N
Six (6) Grain Dryers-PM	None	N	71 per stack	71 per stack	100	N	N
Six (6) Grain Dryers - PM10	None	Y	18 per stack	18 per stack	100	N	N

Emission Unit / Pollutant	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Six (6) Grain Dryers - PM2.5	None	Y	3.02 per stack	3.02 per stack	100	N	N
Lime Bin System-PM	Baghouse	Y	0.88	0.009	100	N	N
Lime Bin System-PM10	Baghouse	Y	0.48	0.005	100	N	N
Lime Bin System-PM2.5	Baghouse	Y	0.48	0.005	100	N	N
Lime Bin System-PM	Baghouse	Y	0.007	<0.01	100	N	N
Lime Bin System-PM10	Baghouse	Y	0.002	<0.01	100	N	N
Lime Bin System-PM2.5	Baghouse	Y	0.002	<0.01	100	N	N
Milled & Dried Flour Unit -PM	Baghouse	Y	2.49	0.02	100	N	N
Milled & Dried Flour Unit-PM10	Baghouse	Y	1.39	0.01	100	N	N
Milled & Dried Flour Unit-PM2.5	Baghouse	Y	0.24	0.002	100	N	N
Milled & Dried Flour Unit-PM	Baghouse	Y	2.49	0.02	100	N	N
Milled & Dried Flour Unit-PM10	Baghouse	Y	1.39	0.01	100	N	N
Milled & Dried Flour Unit	Baghouse	Y	0.24	0.002	100	N	N
Milled & Dried Flour Unit -PM	Baghouse	Y	2.49	0.02	100	N	N
Milled & Dried Flour Unit -PM10	Baghouse	Y	1.39	0.01	100	N	N
Milled & Dried Flour Unit -PM2.5	Baghouse	Y	0.24	0.002	100	N	N
Milled & Dried Flour Unit-PM	Baghouse	Y	2.49	0.02	100	N	N
Milled & Dried Flour Unit -PM10	Baghouse	Y	1.39	0.01	100	N	N
Milled & Dried Flour Unit -PM2.5	Baghouse	Y	0.24	0.002	100	N	N
Rework Mill Cooling Fan-PM	None	Y	2.49	0.02	100	N	N
Rework Mill Cooling Fan-PM10	None	Y	1.39	0.01	100	N	N
Rework Mill Cooling Fan-PM2.5	None	Y	0.24	0.002	100	N	N
Rework Mill Cooling Fan-PM	None	Y	2.49	0.02	100	N	N
Rework Mill Cooling Fan-PM10	None	Y	1.39	0.01	100	N	N
Rework Mill Cooling Fan-PM2.5	None	Y	0.24	0.002	100	N	N
Flour Cooler -PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Cooler -PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Cooler -PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Flour Cooler -PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Cooler -PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Cooler -PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Flour Cooler -PM	Cyclone	Y	8.98	0.09	100	N	N

Emission Unit / Pollutant	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Flour Cooler -PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Cooler -PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Flour Cooler -PM	Cyclone	Y	8.98	0.09	100	N	N
Flour Cooler -PM10	Cyclone	Y	2.25	0.02	100	N	N
Flour Cooler -PM2.5	Cyclone	Y	0.38	0.004	100	N	N
Corn Skin Storage System-PM	Baghouse	Y	0.19	0.002	100	N	N
Corn Skin Storage System-PM10	Baghouse	Y	0.19	0.002	100	N	N
Corn Skin Storage System-PM2.5	Baghouse	Y	0.19	0.002	100	N	N
pneumatic conveying system for flour system-PM	Baghouses	Y	170.29*	1.703	100	N	N
pneumatic conveying system for flour system-PM10	Baghouses	Y	42.89*	0.429	100	N	N
pneumatic conveying system for flour system-PM2.5	Baghouses	Y	42.89*	0.429	100	N	N
Wet Cake Dryer-PM	Baghouse	Y	2.41	0.02	100	N	N
Wet Cake Dryer-PM10	Baghouse	Y	0.60	0.01	100	N	N
Wet Cake Dryer-PM2.5	Baghouse	Y	0.10	0.001	100	N	N
Wet Cake Dryer-PM	Baghouse	Y	2.41	0.02	100	N	N
Wet Cake Dryer-PM10	Baghouse	Y	0.60	0.01	100	N	N
Wet Cake Dryer-PM2.5	Baghouse	Y	0.10	0.001	100	N	N
Truck/Rail Loading System-PM	pneumatic filtering device	Y	3.15	0.031	100	N	N
Truck/Rail Loading System-PM10	pneumatic filtering device	Y	3.15	0.031	100	N	N
Truck/Rail Loading System-PM2.5	pneumatic filtering device	Y	3.15	0.031	100	N	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are applicable to each screener/cleaner, because each emission unit has the potential to emit before controls equal to or greater than the major source threshold levels.

Therefore, pursuant to 40 CFR Part 64, the CAM for the four (4) Screeners/Cleaners, Unit 3 Screener, Unit 4 Screener, Unit 5 Screener and Unit 6 Screener is as follows:

Visible Emissions Notations

- (a) Daily visible emission notations of the four (4) Screeners/Cleaners (Unit 3 Screener, Unit 4 Screener, Unit 5 Screener and Unit 6 Screener) cyclone/baghouses, ID B11, ID B12, ID B13 and ID B14 stack 6 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. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

Baghouse Parametric Monitoring

The Permittee shall record the pressure drop across baghouse, ID B11, controlling Unit 3 Screener; baghouse ID B12, controlling Unit 4 Screener; baghouse ID B13, controlling Unit 5 Screener and baghouse ID B14, controlling Unit 6 Screener, at least once per day when the process is in operation. When for any one reading, the pressure drop across baghouse ID B11 is outside the normal range of 0.5 to 8.0 inches of water or a range established during the latest stack test, baghouse ID B12 is outside the normal range of 4.0 to 8.0 inches of water or a range established during the latest stack test, baghouse ID B13 is outside the normal range of 3.5 to 8.0 inches of water or a range established during the latest stack test, and baghouse ID B14 is outside the normal range of 2.5 to 8.0 inches of water a range established during the latest stack test the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

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

Broken or Failed Bag Detection

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

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

Cyclone Failure Detection

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.

For NSPS/NESHAPs

- (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 scalpers 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.

- (c) 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.
- (d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial and Institutional Boilers Area Sources, Subpart JJJJJJ is not included in the permit for the four (4) steam boilers, identified as Unit 1 Boiler, Unit 2 Boiler, Unit 3 Boiler and Unit 4 Boiler. These Boilers are fueled by natural gas only.

State Rule Applicability - Entire Source

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)

This source is subject to 326 IAC 2-6 (Emission Reporting) because it is required to have an operating permit pursuant to 326 IAC 2-7 (Part 70). The potential to emit of PM10 is greater than 250 tons per year. Therefore, pursuant to 326 IAC 2-6-3(a)(1), annual reporting is required. An emission statement shall be submitted by July 1, 2012, and every year thereafter. 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.

State Rule Applicability – Individual Facilities

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

In order to render the requirements of 326 IAC 2-2 not applicable with respect to PM emissions, the combined Particulate Matter emissions from the four (4) screeners/cleaners, Unit 3 Screener, controlled by cyclone/baghouse, ID B11; Unit 4 Screener, controlled by cyclone/baghouse, ID B12; Unit 5 Screener, controlled by cyclone/baghouse, ID B13 and Unit 6 Screener controlled by cyclone/baghouse, ID B14 shall be limited to 5.6 pounds per hour.

326 IAC 6.5-1-2 (Particulate Emission Limitations from Sources in Vanderburgh County)

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 (Unit 1 and 2 Screeners)
Unit 3 Screener
Unit 4 Screener
Unit 5 Screener
Unit 6 Screener
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

Facility ID
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

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

This rule is not applicable to the source because the emission units are subject to the particulate emission limitations under 326 IAC 6.5-1-2, which are more stringent than the limitations in 326 IAC 6-3.

326 IAC 7-1.1 Sulfur Dioxide Emission Limitations

This source is not subject to 326 IAC 326 IAC 7-1.1 because its SO₂ PTE is less than 25 tons/year or 10 pounds/hour.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a 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 Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements 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.

(a) Azteca Milling, LP has applicable compliance determination conditions as specified below:

(1) Testing Requirements

Emission Unit	Control Device	Timeframe for Testing	Pollutant	Frequency of Testing
Corn receiving pit C	Baghouse (S1)	5 yrs from latest stack test.	PM	Every 5 years
Flour drying line	First circuit cyclone (S10)	5 yrs from latest stack test.	PM	Every 5 years
Flour drying line	Second circuit cyclone (S11)	5 yrs from latest stack test.	PM	Every 5 years
Flour drying line	First circuit cyclone (S210)	5 yrs from latest stack test.	PM	Every 5 years
Flour drying line	Second circuit cyclone (S211)	5 yrs from latest stack test.	PM	Every 5 years
Flour cooler	Cyclone (S12)	5 yrs from latest stack test.	PM	Every 5 years
Flour cooler	Cyclone (S212)	5 yrs from latest stack test.	PM	Every 5 years
Corn Skin Separator	Baghouse (S40)	5 yrs from latest stack test.	PM	Every 5 years
Corn Skin Separator	Baghouse (140N)	5 yrs from latest stack test.	PM	Every 5 years
Corn Skin Separator	Baghouse (240N)	5 yrs from latest stack test.	PM	Every 5 years
Corn screener/cleaner, Unit 3 Screener	Cyclone Baghouse, ID B11	5 yrs from latest stack test.	PM	Every 5 years
Corn screener/cleaner, Unit 4 Screener	Cyclone Baghouse, ID B12	5 yrs from latest stack test.	PM	Every 5 years
Corn screener/cleaner, Unit 5 Screener	Cyclone Baghouse, ID B13	5 yrs from latest stack test.	PM	Every 5 years
Corn screener/cleaner, Unit 6 Screener	Cyclone Baghouse, ID B14	5 yrs from latest stack test.	PM	Every 5 years

- (2) In order to demonstrate compliance with Conditions D.2.1 and D.2.2:
 - (A) the baghouses for PM control shall be in operation and control emissions from the corn receiving pit, the corn screeners/cleaners (Unit 1 through 6 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.
- (3) In order to demonstrate the compliance with Condition 3.1, 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.

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

In order to demonstrate the compliance with Condition 3.1, 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.

- (a) Daily visible emission notations of the four (4) Screeners/Cleaners (Unit 3 Screener, Unit 4 Screener, Unit 5 Screener and Unit 6 Screener) cyclone/baghouses, ID B11, ID B12, ID B13 and ID B14 stack 6 and 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. 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. 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. 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. If abnormal emissions are observed, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

- (b) The Permittee shall record the pressure drop across baghouse, ID B11, controlling Unit 3 Screener; baghouse ID B12, controlling Unit 4 Screener; baghouse ID B13, controlling Unit 5 Screener and baghouse ID B14, controlling Unit 6 Screener, at least once per day when the process is in operation. When for any one reading, the pressure drop across baghouse ID B11 is outside the normal range of 0.5 to 8.0 inches of water or a range established during the latest stack test, baghouse ID B12 is outside the normal range of 4.0 to 8.0 inches of water or a range established during the latest stack test, baghouse ID B13 is outside the normal range of 3.5 to 8.0 inches of water or a range established during the latest stack test, and baghouse ID B14 is outside the normal range of 2.5 to 8.0 inches of water a range established during the latest stack test the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.
- (c) Broken or Failed Bag Detection
- (1) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. 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).
- (2) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. 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).

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

(d) Cyclone Failure Detection

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.

These monitoring conditions are necessary because the cyclones and baghouse for the corn cleaner/screeners must operate properly to ensure compliance with Part 64 (CAM), 326 IAC 6.5-1-2, 326 IAC 2-2 (PSD), and 326 IAC 2-7 (Part 70).

Recommendation

The staff recommends to the Commissioner that the Part 70 Operating Permit Renewal be approved. This recommendation is based on the following facts and conditions:

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

An application for the purposes of this review was received on January 31, 2011.

Conclusion

The operation of this a stationary wet corn milling operation shall be subject to the conditions of the attached Part 70 Operating Permit Renewal No. T163-30167-00107

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Teresa Freeman at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-1243 or toll free at 1-800-451-6027 extension 4-1243.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Company Name: Azteca Milling, L.P.
Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711
Part 70 Permit No.: 163-30167-00107
Reviewer: Teresa Freeman
Date: 05/16/11

Uncontrolled

Process/Emission Unit	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	GHG	HAPs
Boilers 1, 2, 3 and 4	0.35	1.39	1.39	0.11	18.33	1.01	15.39	2511.4	Negl.
Lime Bin System	0.88	0.49	0.48	--	--	--	--	--	--
Grain Dryers GD1-GD6	423.98	106.00	18.12	--	--	--	--	--	--
Grain Dryers GD1-GD6 combustion	0.84	3.36	3.36	0.26	44.15	2.43	37.09	6084.81	Negl.
Flour Drying Lines (C101-C104 and C201-204)**	71.85	17.96	3.07	--	5	--	--	--	--
Flour Drying Lines combustion	0.899	3.60	3.60	0.28	47.30	2.60	39.74	6519.44	Negl.
Seven (7) Corn Skin Separators	46.73	46.73	46.73	--	--	--	--	--	--
Eight (8) Flour Sifter Systems	88.17	22.21	22.21	--	--	--	--	--	--
Corn Receiving Pit C	54.24	54.24	54.24	--	--	--	--	--	--
Grain Receiving Pit Hoods A, B and D	162.71	162.71	162.71	--	--	--	--	--	--
Grain Receiving Pit ** Scalpers A, B, C and D	217.0	217.0	217.0	--	--	--	--	--	--
Four (4) Milled and Dried Flour Units	9.96	5.55	0.95	--	--	--	--	--	--
Two (2) Rework Mill Cooling Fans	11.47	3.63	0.62	--	--	--	--	--	--
Four (4) Flour Coolers	27.13	8.98	1.53	--	--	--	--	--	--
Corn Skin Storage	0.19	0.19	0.19	--	--	--	--	--	--
Truck/Rail Loading System	3.15	3.15	3.15	--	--	--	--	--	--
Two (2) Wet Cake dryers	4.82	1.20	0.21	--	--	--	--	--	--
Two (2) Wet Cake dryers combustion	0.10	0.40	0.40	0.03	5.26	0.29	4.42	724.38	Negl.
Total from 6 Corn Screeners/Cleaners	6082.0	484.2	486.0	--	--	--	--	--	--
pneumatic conveying system for flour system	224.5	97.1	97.1	--	--	--	--	--	--
Insignificant Activities	34.5	28.1	26.2	--	--	--	--	--	--
Total Emission**	7430.95	1240.05	1123.02	0.69	120.04	6.33	96.63	15840.04	2.71

*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.

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Part 70 Permit No.: 163-30167-00107
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Controlled

Process/Emission Unit	PM	PM10*	PM2.5	SO ₂	NO _x	VOC	CO	GHG	HAPs
Boilers 1, 2, 3 and 4	0.35	1.39	1.39	0.11	18.33	1.01	15.39	2511.4	Negl.
Lime Bin System	0.009	0.005	0.005	--	--	--	--	--	--
Grain Dryers GD1-GD6	423.98	106.00	18.12	--	--	--	--	--	--
Grain Dryers GD1-GD6 combustion	0.84	3.36	3.36	0.26	44.15	2.43	37.09	6084.81	Negl.
Flour Drying Lines *	0.72	0.18	0.03	--	--	--	--	--	--
Flour Drying Lines combustion	0.899	3.60	3.60	0.28	47.30	2.60	39.74	6519.44	Negl.
Seven (7) Corn Skin Separators	0.467	0.467	0.467	--	--	--	--	--	--
Eight (8) Flour Sifter Systems	0.88	0.22	0.22	--	--	--	--	--	--
Corn Receiving Pit C	0.54	0.54	0.54	--	--	--	--	--	--
Grain Receiving Pit Hoods A, B and D	1.63	1.63	1.63	--	--	--	--	--	--
Grain Receiving Pit * Scalpers A, B, C and D	2.17	2.17	2.17	--	--	--	--	--	--
Four (4) Milled and Dried Flour Units	0.10	0.06	0.01	--	--	--	--	--	--
Two (2) Rework Mill Cooling Fans	0.05	0.03	0.005	--	--	--	--	--	--
Four (4) Flour Coolers	0.36	0.09	0.02	--	--	--	--	--	--
Corn Skin Storage	0.002	0.002	0.002	--	--	--	--	--	--
Truck/Rail Loading System	0.03	0.03	0.03	--	--	--	--	--	--
Two (2) Wet Cake dryers	0.05	0.01	0.00	--	--	--	--	--	--
Two (2) Wet Cake dryers combustion	0.10	0.40	0.40	0.03	5.26	0.29	4.42	724.38	Negl.
Total from 6 Corn Screeners/Cleaners *	20.37	3.93	3.69	--	--	--	--	--	--
pneumatic conveying system for flour system	2.25	0.97	0.97	--	--	--	--	--	--
Insignificant Activities	3.55	2.91	2.71	--	--	--	--	--	--
Total Emission**	455.79	125.07	36.65	0.69	115.04	6.33	96.63	15,840.04	2.71

*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.

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.: 163-30167-00107
 Reviewer: Teresa Freeman
 Date: 05/16/11

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*	PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100.0	5.5	84.0
					**see below		
Steam Boiler 1 Potential Emission in tons/yr	0.09	0.35	0.35	0.027	4.58	0.25	3.85
Steam Boiler 2 Potential Emission in tons/yr	0.09	0.35	0.35	0.027	4.58	0.25	3.85
Steam Boiler 3 Potential Emission in tons/yr	0.09	0.35	0.35	0.027	4.58	0.25	3.85
Steam Boiler 4 Potential Emission in tons/yr	0.09	0.35	0.35	0.027	4.58	0.25	3.85
Flour Dryer C101 Potential Emission in tons/yr	0.15	0.60	0.60	0.047	7.88	0.43	6.62
Flour Dryer C102 Potential Emission in tons/yr	0.15	0.60	0.60	0.047	7.88	0.43	6.62
Flour Dryer C103 Potential Emission in tons/yr	0.15	0.60	0.60	0.047	7.88	0.43	6.62
Flour Dryer C104 Potential Emission in tons/yr	0.15	0.60	0.60	0.047	7.88	0.43	6.62
Flour Dryer C201 Potential Emission in tons/yr	0.07	0.30	0.30	0.024	3.94	0.22	3.31
Flour Dryer C202 Potential Emission in tons/yr	0.07	0.30	0.30	0.024	3.94	0.22	3.31
Flour Dryer C203 Potential Emission in tons/yr	0.07	0.30	0.30	0.024	3.94	0.22	3.31
Flour Dryer C204 Potential Emission in tons/yr	0.07	0.30	0.30	0.024	3.94	0.22	3.31
Grain Dryer GD1 Potential Emission in tons/yr	0.14	0.56	0.56	0.044	7.36	0.40	6.18
Grain Dryer GD2 Potential Emission in tons/yr	0.14	0.56	0.56	0.044	7.36	0.40	6.18
Grain Dryer GD3 Potential Emission in tons/yr	0.14	0.56	0.56	0.044	7.36	0.40	6.18
Grain Dryer GD4 Potential Emission in tons/yr	0.14	0.56	0.56	0.044	7.36	0.40	6.18
Grain Dryer GD5 Potential Emission in tons/yr	0.14	0.56	0.56	0.044	7.36	0.40	6.18
Grain Dryer GD6 Potential Emission in tons/yr	0.14	0.56	0.56	0.044	7.36	0.40	6.18
Cake Dryer Potential Emission in tons/yr	0.05	0.20	0.20	0.016	2.63	0.14	2.21
Cake Dryer Potential Emission in tons/yr	0.05	0.20	0.20	0.016	2.63	0.14	2.21
Total Emissions in tons/yr	2.19	8.74	8.74	0.69	115.04	6.33	96.63

*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 4 for HAPs emissions calculations.

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

HAPs Emissions

Company Name: Azteca Milling, L.P.
Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711
Part 70 Permit No.: 163-30167-00107
Reviewer: Teresa Freeman
Date: 05/16/11

HAPs - Organics

Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	2.4E-03	1.380E-03	8.628E-02	2.071E+00	3.911E-03

HAPs - Metals

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

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.
 See Page 5 for Greenhouse Gas calculations.

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Greenhouse Gas Emissions-Steam Boilers

Company Name: Azteca Milling, L.P.
Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711
Permit Number: 163-30167-00107
Reviewer: Teresa Freeman
Date: 7/8/2011

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120000	2.3	2.2
Potential Emission in tons/yr	2510.4	0.048116	0
Summed Potential Emissions in tons/yr	2510.448116		
CO2e Total in tons/yr	2511.410436		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.

Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

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

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Greenhouse Gas Emissions-Flour Dryers

Company Name: Azteca Milling, L.P.

Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711

Permit Number: 163-30167-00107

Reviewer: Teresa Freeman

Date: 7/8/2011

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120000	2.3	2.2
Potential Emission in tons/yr	6480	0.1242	0.1188
Summed Potential Emissions in tons/yr	6480.243		
CO2e Total in tons/yr	6519.4362		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.

Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

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

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Greenhouse Gas Emissions-Grain Dryers

Company Name: Azteca Milling, L.P.
Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711
Permit Number: 163-30167-00107
Reviewer: Teresa Freeman
Date: 7/8/2011

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120000	2.3	2.2
Potential Emission in tons/yr	6048	0.11592	0.11088
Summed Potential Emissions in tons/yr	6048.2268		
CO2e Total in tons/yr	6084.80712		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.

Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

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

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Greenhouse Gas Emissions-Cake Dryers

Company Name: Azteca Milling, L.P.
Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711
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Reviewer: Teresa Freeman
Date: 7/8/2011

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120000	2.3	2.2
Potential Emission in tons/yr	720	0.0138	0.0132
Summed Potential Emissions in tons/yr	720.027		
CO2e Total in tons/yr	724.3818		

Methodology

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.

Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

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

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP

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 Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711
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Process Description	Unit ID	S/ I D	Throughput (Tons/Hr)	Control Description	PM EF	PM10 EF	PM2.5 EF	Uncontrolled PTE			EF Source
								PM	PM10	PM2.5	
Flour Drying Line	C101	10	9.32	Unit 1 Drying 1st Cyclone	0.220	0.055	0.0094	8.98	2.25	0.38	Fire (SCC 30200753)
Flour Drying Line	C102	110	9.32	Unit 2 Drying 1st Cyclone	0.220	0.055	0.0094	8.98	2.25	0.38	Fire (SCC 30200753)
Flour Drying Line	C103	210	9.32	Unit 3 Drying 1st Cyclone	0.220	0.055	0.0094	8.98	2.25	0.38	Fire (SCC 30200753)
Flour Drying Line	C104	310	9.32	Unit 4 Drying 1st Cyclone	0.220	0.055	0.0094	8.98	2.25	0.38	Fire (SCC 30200753)
Flour Drying Line	C201	11	9.32	Unit 1 Drying 2nd Cyclone	0.220	0.055	0.0094	8.98	2.25	0.38	Fire (SCC 30200753)
Flour Drying Line	C202	111	9.32	Unit 2 Drying 2nd Cyclone	0.220	0.055	0.0094	8.98	2.25	0.38	Fire (SCC 30200753)
Flour Drying Line	C203	211	9.32	Unit 3 Drying 2nd Cyclone	0.220	0.055	0.0094	8.98	2.25	0.38	Fire (SCC 30200753)
Flour Drying Line	C204	311	9.32	Unit 4 Drying 2nd Cyclone	0.220	0.055	0.0094	8.98	2.25	0.38	Fire (SCC 30200753)
Corn Skin Separator	CSS1	40	0.647	Baghouse B8	3.300	3.300	3.300	9.35	9.35	9.35	AP-42, Table 9.11.1-1 (SCC 30200745)
Corn Skin Separator	CSS2S	140N	0.323	Baghouse B9S	3.300	3.300	3.300	4.67	4.67	4.67	AP-42, Table 9.11.1-1 (SCC 30200745)
Corn Skin Separator	CSS2N	140S	0.323	Baghouse B9N	3.300	3.300	3.300	4.67	4.67	4.67	AP-42, Table 9.11.1-1 (SCC 30200745)
Corn Skin Separator	CSS3N	240S	0.647	Baghouse BN	3.300	3.300	3.300	9.35	9.35	9.35	AP-42, Table 9.11.1-1 (SCC 30200745)
Corn Skin Separator	CSS3S	240N	0.647	Baghouse BS	3.300	3.300	3.300	9.35	9.35	9.35	AP-42, Table 9.11.1-1 (SCC 30200745)
Corn Skin Separator	CSS4N	340S	0.323	Baghouse BN	3.300	3.300	3.300	4.67	4.67	4.67	AP-42, Table 9.11.1-1 (SCC 30200745)
Corn Skin Separator	CSS4S	340N	0.323	Baghouse BS	3.300	3.300	3.300	4.67	4.67	4.67	AP-42, Table 9.11.1-1 (SCC 30200745)
Flour Sifter System	FS1	13	9.32	Baghouse B3	0.27	0.068	0.068	11.02	2.78	2.78	AP-42, Table 9.9.1-1
Flour Sifter System	FS2	113	9.32	Baghouse B4	0.27	0.068	0.068	11.02	2.78	2.78	AP-42, Table 9.9.1-1
Flour Sifter System	FS3	254	9.32	Baghouse Step 1	0.27	0.068	0.068	11.02	2.78	2.78	AP-42, Table 9.9.1-1
Flour Sifter System	FS3	255	9.32	Baghouse Step 2	0.27	0.068	0.068	11.02	2.78	2.78	AP-42, Table 9.9.1-1
Flour Sifter System	FS3	256	9.32	Baghouse Step 3	0.27	0.068	0.068	11.02	2.78	2.78	AP-42, Table 9.9.1-1
Flour Sifter System	FS4	354	9.32	Baghouse Step 1	0.27	0.068	0.068	11.02	2.78	2.78	AP-42, Table 9.9.1-1
Flour Sifter System	FS4	355	9.32	Baghouse Step 2	0.27	0.068	0.068	11.02	2.78	2.78	AP-42, Table 9.9.1-1
Flour Sifter System	FS4	356	9.32	Baghouse Step 3	0.27	0.068	0.068	11.02	2.78	2.78	AP-42, Table 9.9.1-1
Corn Receiving Pit C	S1	51	203	Baghouse 51	0.061	0.061	0.061	54.24	54.24	54.24	AP-42, Table 9.9.7-1
Corn Receiving Pit A Hood		1	203	Baghouse 1	0.061	0.061	0.061	54.24	54.24	54.24	AP-42, Table 9.9.7-1
Corn Receiving Pit B Hood		101	203	Baghouse 101	0.061	0.061	0.061	54.24	54.24	54.24	AP-42, Table 9.9.7-1
Corn Receiving Pit D Hood		206	203	Baghouse 51	0.061	0.061	0.061	54.24	54.24	54.24	AP-42, Table 9.9.7-1
Corn Receiving Pit A Scalper		2	203	Baghouse 2	0.061	0.061	0.061	54.24	54.24	54.24	AP-42, Table 9.9.7-1
Corn Receiving Pit B Scalper		102	203	Baghouse 102	0.061	0.061	0.061	54.24	54.24	54.24	AP-42, Table 9.9.7-1
Grain Receiving Pit C Scalper		106	203	Baghouse 106	0.061	0.061	0.061	54.24	54.24	54.24	AP-42, Table 9.9.7-1
Corn Receiving Pit D Scalper		52	203	Baghouse 52	0.061	0.061	0.061	54.24	54.24	54.24	AP-42, Table 9.9.7-1
Corn Receiving & Screening			203	Pneumatic filtering device	0.061	0.061	0.061	54.24	54.24	54.24	AP-42, Table 9.9.7-1
Corn Cleaner Unit 1	Units 1	6	30	Cyclone in series with Baghouse B1	-	-	-	985.00	9.20	79.00	AP 42, Table 9.9.1-1, uncontrolled PM, PM10 and PM2.5 EF from stack test done on June 12 and 17, 2009
Corn Cleaner Unit 2	Unit 2	6	100	Cyclone in series with Baghouse B1	-	-	-	3285.00	307.00	263.00	AP 42, Table 9.9.1-1, PM10 and PM2.5 EF from stack test done on June 12 and 17, 2009
Corn Cleaner Unit 3	Unit 3	6	13.8	Cyclone in series with Baghouse B11	-	-	-	453.00	42.00	36.00	AP 42, Table 9.9.1-1, PM10 and PM2.5 EF from stack test done on June 12 and 17, 2009
Corn Cleaner Unit 4	Unit 4	6	13.8	Cyclone in series with Baghouse B12	-	-	-	453.00	42.00	36.00	AP 42, Table 9.9.1-1, PM10 and PM2.5 EF from stack test done on June 12 and 17, 2009
Corn Cleaner Unit 5	Unit 5	6	13.8	Cyclone in series with Baghouse B13	-	-	-	453.00	42.00	36.00	AP 42, Table 9.9.1-1, PM10 and PM2.5 EF from stack test done on June 12 and 17, 2009
Corn Cleaner Unit 6	Unit 6	6	13.8	Cyclone in series with Baghouse B14	-	-	-	453.00	42.00	36.00	AP 42, Table 9.9.1-1, PM10 and PM2.5 EF from stack test done on June 12 and 17, 2009
Grain Dryers	GD-1 thru GD-6	-	440	None	0.220	0.055	0.0094	423.98	106.00	18.12	Fire (SCC 30200753)
Lime Bin System		9	22.5	Baghouse B2	0.0089	0.0049	0.0049	0.88	0.48	0.48	AP-42, Table 11.12-2
Lime Bin System		209	22.5	Baghouse	0.00007	0.000023	0.000065	0.007	0.002	0.001	AP-42, Table 11.19.2-2
Milled & Dried Flour Unit	MDF1	14	9.32	Baghouse B5	0.061	0.034	0.0058	2.49	1.39	0.24	AP-42, Table 9.9.1-1
Milled & Dried Flour Unit	MDF2	114	9.32	Baghouse B6	0.061	0.034	0.0058	2.49	1.39	0.24	AP-42, Table 9.9.1-1
Milled & Dried Flour Unit	MDF3	214	9.32	Baghouse B	0.061	0.034	0.0058	2.49	1.39	0.24	AP-42, Table 9.9.1-1
Milled & Dried Flour Unit	MDF4	314	9.32	Baghouse B	0.061	0.034	0.0058	2.49	1.39	0.24	AP-42, Table 9.9.1-1
Rework Mill Cooling Fan		253	9.32	None	0.061	0.034	0.0058	2.49	1.39	0.24	AP-42, Table 9.9.1-1
Rework Mill Cooling Fan		353	9.32	None	0.061	0.034	0.0058	2.49	1.39	0.24	AP-42, Table 9.9.1-1
Flour Cooler	FC1	12	9.32	Flour Cooler Cyclone	0.22	0.06	0.0094	8.98	2.25	0.38	AP-42, Table 9.9.1-1
Flour Cooler	FC2	112	9.32	Flour Cooler Cyclone	0.22	0.06	0.0094	8.98	2.25	0.38	AP-42, Table 9.9.1-1
Flour Cooler	FC3	212	9.32	Flour Cooler Cyclone	0.22	0.06	0.0094	8.98	2.25	0.38	AP-42, Table 9.9.1-1
Flour Cooler	FC4	312	9.32	Flour Cooler Cyclone	0.22	0.06	0.0094	8.98	2.25	0.38	AP-42, Table 9.9.1-1
Corn Skin Storage System		15	1,294	Baghouse B9	0.033	0.033	0.0330	0.19	0.19	0.19	AP-42, Table 9.9.7-1
pneumatic conveying system for flour system		43-48, 251 and 252	144	Baghouses	0.270	0.0680	0.0680	170.29	42.89	42.89	AP-42, Table 9.9.7-1
Wet Cake Dryer		80	2.5	Baghouse	0.220	0.055	0.0094	2.41	0.60	0.10	Fire (SCC 30200753)
Wet Cake Dryer		180	2.5	Baghouse	0.220	0.055	0.0094	2.41	0.60	0.10	Fire (SCC 30200753)
Truck/Rail Loading System		49	21.77	Pneumatic filtering device B10	0.033	0.033	0.0330	3.15	3.15	3.15	AP-42, Table 9.9.7-1
Uncontrolled Emissions								7431.1	1230.5	1114.1	

Methodology:
 Uncontrolled PM/PM₁₀ (ton/hr) = Throughput (ton/hr) * EF (lb/ton) * 8760 (hr/yr) * 1 ton/2000lb
 ***Uncontrolled PM/PM_{2.5} (ton/hr) = Controlled PM / (1 - Control Efficiency (%))

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.: 163-30167-00107

Reviewer: Teresa Freeman

Date: 05/16/11

Emission Unit ID	Control Device ID No.	Grain Loading per Actual Cubic Foot of Outlet Air	Air Flow Rate (acfm)	Control Efficiency	Controlled PM (lbs/hr)	Controlled PM10 (lbs/hr)	Controlled PM2.5 (lbs/hr)	Controlled PM (tons/yr)	Controlled PM10 (tons/yr)	Controlled PM2.5 (tons/yr)	326 IAC 6.5-1-2 Allowable PM Emissions (lb/hr)
Flour Drying Line	Unit 1 Drying 1st Cyclone	0.02600	45000.00	99.00%	10.03	10.03	10.03	0.09	0.02	0.004	11.57
Flour Drying Line	Unit 2 Drying 1st Cyclone	0.02600	45000.00	99.00%	10.03	10.03	10.03	0.09	0.02	0.004	11.57
Flour Drying Line	Unit 3 Drying 1st Cyclone	0.02600	45000.00	99.00%	10.03	10.03	10.03	0.09	0.02	0.004	11.57
Flour Drying Line	Unit 4 Drying 1st Cyclone	0.02600	45000.00	99.00%	10.03	10.03	10.03	0.09	0.02	0.004	11.57
Flour Drying Line	Unit 1 Drying 2nd Cyclone	0.02700	35000.00	99.00%	8.10	8.10	8.10	0.09	0.02	0.004	9.00
Flour Drying Line	Unit 2 Drying 2nd Cyclone	0.02700	35000.00	99.00%	8.10	8.10	8.10	0.09	0.02	0.004	9.00
Flour Drying Line	Unit 3 Drying 2nd Cyclone	0.02700	35000.00	99.00%	8.10	8.10	8.10	0.09	0.02	0.004	9.00
Flour Drying Line	Unit 4 Drying 2nd Cyclone	0.02700	35000.00	99.00%	8.10	8.10	8.10	0.09	0.02	0.004	9.00
Corn Skin Separator	Baghouse B8	0.00350	6518.00	99.00%	0.20	0.20	0.20	0.09	0.09	0.09	1.68
Corn Skin Separator	Baghouse B9S	0.00350	6518.00	99.00%	0.20	0.20	0.20	0.05	0.05	0.05	1.68
Corn Skin Separator	Baghouse B9N	0.00350	6518.00	99.00%	0.20	0.20	0.20	0.05	0.05	0.05	1.68
Corn Skin Separator	Baghouse BN	0.00350	4000.00	99.00%	0.12	0.12	0.12	0.09	0.09	0.09	1.03
Corn Skin Separator	Baghouse BS	0.00350	4000.00	99.00%	0.12	0.12	0.12	0.09	0.09	0.09	1.03
Corn Skin Separator	Baghouse BN	0.00350	4000.00	99.00%	0.12	0.12	0.12	0.05	0.05	0.05	1.03
Corn Skin Separator	Baghouse BS	0.00350	4000.00	99.00%	0.12	0.12	0.12	0.05	0.05	0.05	1.03
Corn Cleaner Unit 1	Cyclone in series with Baghouse B1	0.01000	3000.00	99.00%	0.26	0.26	0.26	1.13	1.13	1.13	0.77
Corn Cleaner Unit 2	Cyclone in series with Baghouse B1	0.01000	3000.00	99.00%	0.26	0.26	0.26	1.13	1.13	1.13	0.77
Corn Cleaner Unit 3	Cyclone in series with Baghouse B11	0.01000	3000.00	99.00%	0.26	0.26	0.26	4.53	0.42	0.36	0.77
Corn Cleaner Unit 4	Cyclone in series with Baghouse B12	0.01000	3000.00	99.00%	0.26	0.26	0.26	4.53	0.42	0.36	0.77
Corn Cleaner Unit 5	Cyclone in series with Baghouse B13	0.01000	3000.00	99.00%	0.26	0.26	0.26	4.53	0.42	0.36	0.77
Corn Cleaner Unit 6	Cyclone in series with Baghouse B14	0.01000	3000.00	99.00%	0.26	0.26	0.26	4.53	0.42	0.36	0.77
Flour Sifter System	Baghouse B3	0.01400	366.00	99.00%	0.04	0.04	0.04	0.11	0.03	0.03	0.09
Flour Sifter System	Baghouse B4	0.01400	366.00	99.00%	0.04	0.04	0.04	0.11	0.03	0.03	0.09
Flour Sifter System	Baghouse Step 1	0.01400	1300.00	99.00%	0.16	0.16	0.16	0.11	0.03	0.03	0.33
Flour Sifter System	Baghouse Step 2	0.01400	8900.00	99.00%	1.06	1.06	1.06	0.11	0.03	0.03	2.26
Flour Sifter System	Baghouse Step 3	0.01400	8900.00	99.00%	1.07	1.07	1.07	0.11	0.03	0.03	2.29
Flour Sifter System	Baghouse Step 1	0.01400	360.00	99.00%	0.04	0.04	0.04	0.11	0.03	0.03	0.09
Flour Sifter System	Baghouse Step 2	0.01400	8900.00	99.00%	1.07	1.07	1.07	0.11	0.03	0.03	2.29
Flour Sifter System	Baghouse Step 3	0.01400	8900.00	99.00%	1.06	1.06	1.06	0.11	0.03	0.03	2.26
Corn Receiving Pit C	Baghouse B1	0.01000	3000.00	99.00%	0.26	0.26	0.26	0.54	0.54	0.54	0.77
Grain Receiving Pit A Hood	Baghouse 1	0.01000	3000.00	99.00%	0.26	0.26	0.26	0.54	0.54	0.54	0.77
Grain Receiving Pit B Hood	Baghouse 101	0.01000	3000.00	99.00%	0.26	0.26	0.26	0.54	0.54	0.54	0.77
Grain Receiving Pit D Hood	Baghouse 51	0.01000	10000.00	99.00%	0.86	0.86	0.86	0.54	0.54	0.54	2.57
Grain Receiving Pit A Scalper	Baghouse 2	0.01000	10000.00	99.00%	0.86	0.86	0.86	0.54	0.54	0.54	2.57
Grain Receiving Pit B Scalper	Baghouse 102	0.01000	10000.00	99.00%	0.86	0.86	0.86	0.54	0.54	0.54	2.57
Grain Receiving Pit C Scalper	Baghouse 106	0.01000	8500.00	99.00%	0.73	0.73	0.73	0.54	0.54	0.54	2.19
Grain Receiving Pit D Scalper	Baghouse 52	0.01000	10000.00	99.00%	0.86	0.86	0.86	0.54	0.54	0.54	2.57
Corn Receiving & Screening	Pneumatic filtering device	0.01000	3000.00	99.00%	0.26	0.26	0.26	0.54	0.54	0.54	0.77
Lime Bin System	Baghouse B2	0.00860	521.00	99.00%	0.04	0.04	0.04	0.009	0.005	0.005	0.13
Lime Bin System	Baghouse	0.00860	149.00	99.00%	0.01	0.01	0.01	0.0001	0.0000	0.0000	0.04
Milled & Dried Flour Unit	Baghouse B5	0.00850	1450.00	99.00%	0.11	0.11	0.11	0.02	0.01	0.002	0.37
Milled & Dried Flour Unit	Baghouse B6	0.00850	1450.00	99.00%	0.11	0.11	0.11	0.02	0.01	0.002	0.37
Milled & Dried Flour Unit	Baghouse B	0.00850	1200.00	99.00%	0.09	0.09	0.09	0.02	0.01	0.002	0.31
Milled & Dried Flour Unit	Baghouse B	0.00850	1450.00	99.00%	0.11	0.11	0.11	0.02	0.01	0.002	0.37
Rework Mill Cooling Fan	Baghouse	0.01000	4000.00	99.00%	0.34	0.34	0.34	0.02	0.01	0.002	1.03
Rework Mill Cooling Fan	Baghouse	0.01000	4000.00	99.00%	0.34	0.34	0.34	0.02	0.01	0.002	1.03
Flour Cooler	Cyclone	0.02800	12000.00	99.00%	2.88	2.88	2.88	0.09	0.02	0.004	3.09
Flour Cooler	Cyclone	0.02800	12000.00	99.00%	2.88	2.88	2.88	0.09	0.02	0.004	3.09
Flour Cooler	Cyclone	0.02800	12000.00	99.00%	2.88	2.88	2.88	0.09	0.02	0.004	3.09
Flour Cooler	Cyclone	0.02800	12000.00	99.00%	2.88	2.88	2.88	0.09	0.02	0.004	3.09
Corn Skin Storage System	Baghouse B9	0.01000	4000.00	99.00%	0.34	0.34	0.34	0.002	0.002	0.002	1.03
pneumatic conveying system for flour system	Baghouses	0.01000	3000.00	99.00%	0.26	0.26	0.26	1.703	0.429	0.429	0.77
Truck/Rail Loading System	Cartridge Filter B10	0.03000	1396.00	99.00%	0.36	0.36	0.36	0.031	0.031	0.031	0.36
Wet Cake Dryer	Baghouse	0.03000	4226.00	99.00%	1.09	1.09	1.09	0.02	0.01	0.001	1.09
Wet Cake Dryer	Baghouse	0.03000	4226.00	99.00%	1.09	1.09	1.09	0.02	0.01	0.001	1.09
Controlled Emissions (metric tons/yr):								29.62	10.34	9.79	139.49

Total Emissions Based on Rated Capacity at 8,760 Hours/Year and source controls

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

Company Name: Azteca Milling, L.P.
Address City IN Zip: 15700 Highway 41 North, Evansville, Indiana 47711
Part 70 Permit No.: 163-30167-00107
Reviewer: Teresa Freeman
Date: 05/16/11

Process Description	Unit ID	S/V ID	Throughput (Tons/Hr)	Control Description	PM EF	PM10 EF	PM2.5 EF	Primary Control Efficiency	Uncontrolled PTE			PTE after Integral Controls			EF Source
									PM	PM10	PM2.5	PM	PM10	PM2.5	
24 flour storage bins	-	16 thru 39	37	baghouse	0.025	0.006	0.001	0.9	4.05	1.02	0.18	0.405	0.102	0.018	AP-42; Table 9.9.1-1
24 flour storage bins	-	55 thru 78	37	baghouse	0.025	0.006	0.001	0.9	4.05	1.02	0.18	0.405	0.102	0.018	AP-42; Table 9.9.1-1
two (2) rework bins	-	41 and 42	0.82	baghouse	0.061	0.034	0.0058	0.9	0.22	0.12	0.02	0.022	0.012	0.002	AP-42; Table 9.9.1-1
two (2) rework bins	-	241 and 242	0.82	baghouse	0.061	0.034	0.0058	0.9	0.22	0.12	0.02	0.022	0.012	0.002	AP-42; Table 9.9.1-1
ingredients hopper	-	53	1.2	baghouse	0.035	0.008	0.001	0.9	0.18	0.04	0.01	0.018	0.004	0.001	AP-42; Table 9.9.1-1
two (2) packaging machines	-	50	48	baghouse	0.061	0.061	0.061	0.9	12.82	12.82	12.82	1.282	1.282	1.282	AP-42; Table 9.9.1-1
two (2) packaging machines	-	253 and 353	48	baghouse	0.061	0.061	0.061	0.9	12.82	12.82	12.82	1.282	1.282	1.282	AP-42; Table 9.9.1-1
sack dumping	-	54	0.41	none	0.061	0.061	0.061	none	0.11	0.11	0.11	0.11	0.11	0.11	AP-42; Table 9.9.1-1
									34.5	28.1	26.2	3.5	2.9	2.7	

Methodology:

Uncontrolled PM/PM₁₀ (ton/hr) = Throughput (ton/hr) * EF (lb/ton) * 8760 (hr/yr) * 1 ton/2000lb

***Uncontrolled PM/PM₁₀(ton/hr) = Controlled PM / (1 - Control Efficiency (%))



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Dana Harrison
Azteca Milling, LP
15700 Hwy 41 N
Evansville, IN 47725

DATE: December 5, 2011

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

SUBJECT: Final Decision
Azteca Milling
163-30167-00107

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

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

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

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

Final Applicant Cover letter.dot 11/30/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Evansville Vanderburgh Public Library

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

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

Applicant Name: Azteca Milling, LP
Permit Number: 163-30167-00107

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	DPABST 12/5/2011 Azteca Milling, LP 163-30167-00107 (Final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING	
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Dana Harrison Azteca Milling, LP 15700 Hwy 41 N Evansville IN 47725 (Source CAATS) (CONFIRM DELIVERY)										
2		Alberto Jacques Mfg Dir Azteca Milling, LP 501 W Chapin Rd Edinburg TX 78541 (RO CAATS)										
3		Evansville City Council and Mayors Office 1NW MLK Blvd, Rm 302 Evansville IN 47708 (Local Official)										
4		Vanderburgh County Commissioners 1 NW MLK Blvd, Rm 305 Evansville IN 47708 (Local Official)										
5		Mr. Charles L. Berger Berger & Berger, Attorneys at Law 313 Main Street Evansville IN 47700 (Affected Party)										
6		Evansville Vanderburg Public Library 200 SE Martin Luther King Jr. Blvd Evansville IN 47708-1694 (Library)										
7		Mr. Wendell Hibdon Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 (Affected Party)										
8		Mr. Don Mottley Save Our Rivers 6222 Yankeetown Hwy Boonville IN 47601 (Affected Party)										
9		Vanderburgh County Health Dept. 420 Milberry Street Evansville IN 47713-1888 (Health Department)										
10		Kim Sherman 3355 Woodview Drive Newburgh IN 47630 (Affected Party)										
11		Mr. John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)										
12		Evansville EPA 100 E. Walnut St. Suite 100, Newsome Center Evansville IN 47713 (Local Official)										
13												
14												
15												

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