



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: July 30, 2010

RE: Pioneer Hi-Bred International, Inc / 139-28892-00009

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

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot12/03/07



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

New Source Construction and Minor Source Operating Permit OFFICE OF AIR QUALITY

Pioneer Hi-Bred International, Inc.
3258 West US Highway 52
Rushville, Indiana 46173

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-5.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

Operation Permit No.: M139-28892-00009	
Issued by:  Alfred C. Dumauval, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: July 30, 2010 Expiration Date: July 30, 2015

TABLE OF CONTENTS

A. SOURCE SUMMARY.....	4
A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]	
A.2 Emission Units and Pollution Control Equipment Summary	
B. GENERAL CONDITIONS	7
B.1 Definitions [326 IAC 2-1.1-1]	
B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]	
B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]	
B.4 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.5 Term of Conditions [326 IAC 2-1.1-9.5]	
B.6 Enforceability	
B.7 Severability	
B.8 Property Rights or Exclusive Privilege	
B.9 Duty to Provide Information	
B.10 Annual Notification [326 IAC 2-6.1-5(a)(5)]	
B.11 Preventive Maintenance Plan [326 IAC 1-6-3]	
B.12 Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.13 Termination of Right to Operate [326 IAC 2-6.1-7(a)]	
B.14 Permit Renewal [326 IAC 2-6.1-7]	
B.15 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]	
B.16 Source Modification Requirement	
B.17 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2] [IC 13-17-3-2][IC 13-30-3-1]	
B.18 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]	
B.19 Annual Fee Payment [326 IAC 2-1.1-7]	
B.20 Credible Evidence [326 IAC 1-1-6]	
C. SOURCE OPERATION CONDITIONS	7
Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]	
C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]	
C.2 Permit Revocation [326 IAC 2-1.1-9]	
C.3 Opacity [326 IAC 5-1]	
C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.6 Fugitive Dust Emissions [326 IAC 6-4]	
C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]	
Testing Requirements [326 IAC 2-6.1-5(a)(2)]	
C.8 Performance Testing [326 IAC 3-6]	
Compliance Requirements [326 IAC 2-1.1-11]	
C.9 Compliance Requirements [326 IAC 2-1.1-11]	
Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]	
C.10 Compliance Monitoring [326 IAC 2-1.1-11]	
C.11 Instrument Specifications [326 IAC 2-1.1-11]	
Corrective Actions and Response Steps	
C.12 Response to Excursions or Exceedances	
C.13 Actions Related to Noncompliance Demonstrated by a Stack Test	

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

- C.14 Malfunctions Report [326 IAC 1-6-2]
- C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]
- C.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2]
[IC 13-14-1-13]

D.1. EMISSIONS UNIT OPERATION CONDITIONS..... 7

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

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

Compliance Determination Requirements

- D.1.3 Particulate Control

Annual Notification 23
Malfunction Report 24
Affidavit of Construction 26

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary grain elevator and seed processing operation.

Source Address:	3258 West US Highway 52, Rushville, Indiana 46173
General Source Phone Number:	(765) 932-3911
SIC Code:	5153
County Location:	Rush
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

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

- (a) One (1) natural gas-fired bulk ear corn dryer, identified as Dryer 1, constructed in 1967, with a maximum heat input capacity of 56 MMBtu/hr, with a maximum throughput of 1250 bushels per hour, and exhausting to stack SV_Dryer_1.
- (b) One (1) natural gas-fired bulk ear corn dryer, identified as Dryer 2, constructed in 1972, with a maximum heat input capacity of 56 MMBtu/hr, with a maximum throughput of 1250 bushels per hour, and exhausting to stack SV_Dryer_2.
- (c) One (1) natural gas-fired bulk ear corn dryer, identified as Dryer 3, constructed in 1974, with a maximum heat input capacity of 56 MMBtu/hr, with a maximum throughput of 1250 bushels per hour, and exhausting to stack SV_Dryer_3.
- (d) Two (2) green corn dump pits, identified as Dump Pits 1 and 2, constructed in 1991, with a total maximum throughput of 2500 bushels per hour, and with fugitive emissions exhausting to the atmosphere.
- (e) One (1) shelled seed receiving area, identified as Shelled Seed Receiving, used for shelled seed unloading via truck, constructed in 2005, with a total maximum throughput of 3000 bushels per hour, using a baghouse, identified as CD-02, as particulate control, and exhausting indoors.
- (f) Headhouse and grain handling consisting of the following:
 - (1) Two (2) husking and sorting lines, each containing nine (9) units, both constructed in 1991, with a total maximum throughput of 2500 bushels per hour, and exhausting indoors.
 - (2) One (1) bagged seed corn area, identified as Corn Rework, constructed in 2007, with a maximum throughput of 7 tons per hour, using a baghouse, identified as CD-09, as particulate control, and exhausting to stack SV_Rework.

- (3) Nine (9) precision sizers, identified as Sizers 1 through 9, constructed in identified as Sizers 1 through 7, constructed in 1971, and Sizers 8 and 9, constructed in 1977, each with a maximum throughput of 1000 bushels per hour, using a baghouse, identified as CD-03, as particulate control, and exhausting indoors.
 - (4) Six (6) gravity beds/separators, used to remove damaged seeds, identified as Separator 1, constructed in 1971, Separators 2 and 5, constructed in 1993, Separator 4, constructed in 2005, and Separators 3 and 6, constructed in 2007, each with a maximum throughput of 800 bushels per hour, using six (6) baghouses, collectively identified as CD-05, as particulate control, and exhausting indoors.
 - (5) One (1) drum treater surge bin, identified as Surge Bin, for the storage of treated corn, constructed in 2000, with a storage capacity of 1800 bushels, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
 - (6) One (1) drum style seed treater, identified as Treater 1, for the storage of treated corn, constructed in 2000, with a maximum throughput of 800 bushels per hour, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
 - (7) Enclosed internal transfer points, identified as Enclosed, constructed in 1991, with a maximum throughput of 2500 bushels per hour, using two (2) baghouses, identified as CD-02 and CD-03, as particulate control, and exhausting indoors.
- (g) Grain Cleaning consisting of the following:
- (1) Two (2) corn sheller/cleaner units, identified as Sheller/Cleaner 1 and Sheller/Cleaner 2, both constructed in 1991, each with a total maximum throughput of 2400 bushels per hour, using a baghouse, identified as CD-01, and a cyclone, identified as CD-07, as particulate control, and exhausting to stack SV_Sheller, which exhausts indoors.
 - (2) One (1) cleaner bin, identified as Cleaner Bin, used as a temporary storage bin, constructed in 1994, with a maximum throughput of 1000 bushels per hour, and exhausting indoors.
 - (3) One (1) seed cleaner, identified as Cleaner, used for seed corn cleaning, constructed in 1994, with a maximum throughput of 700 bushels per hour, using a baghouse, identified as CD-04, as particulate control, and exhausting indoors.
 - (4) One (1) drum style treater aspirator, identified as Treater Aspirator, used for seed corn cleaning, constructed in 1992, with a maximum throughput of 800 bushels per hour, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
- (h) Grain Storage consisting of the following:
- (1) One (1) cob/bees wings storage bin, identified as Cob/Bees Wings Bin, constructed in 1991, with a storage capacity of 40 tons, and exhausting indoors.
 - (2) One (1) discard bin for damaged seeds, identified as Discard Bin, constructed in 1994, with a storage capacity of 100 bushels, using a baghouse, identified as CD-03, as particulate control, and exhausting indoors.
 - (3) Twenty-six (26) kernel size bins, identified as Kernel Bins 1 through 26, all constructed in 1980, each with a storage capacity of 250 bushels, using a baghouse, identified as CD-03, as particulate control, and exhausting indoors.

- (4) One (1) bulk storage building, identified as Bulk Storage, with a maximum storage capacity of 800,000 bushels, using a baghouse, identified as CD-02, as particulate control, exhausting to stack SV_Bulk, and containing the following:
 - (A) Six (6) storage bins, identified as Bins B-1 through B-6, constructed in 2005, each with a storage capacity of 20,000 bushels.
 - (B) Twenty-eight (28) storage bins, identified as Bins B-7 through B-34, constructed in 2005, each with a storage capacity of 10,000 bushels.
 - (C) Forty-six (46) storage bins, identified as Bins B-35 through B-80, constructed in 2010, each with a storage capacity of 8000 bushels.
 - (D) Two (2) storage bins, identified as Bins B-81 and B-82, constructed in 2010, each with a storage capacity of 16,000 bushels.
 - (5) Four (4) treated seed packaging bins, identified as Treated Bins 1 through 4, all constructed in 2000, each with a storage capacity of 450 bushels of treated seed, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
 - (6) One (1) untreated seed packaging bin, identified as Untreated Bin, constructed in 2000, with a storage capacity of 300 bushels of untreated seed, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
- (i) Grain packaging consisting of the following:
- One (1) treated and untreated seed bagger, identified as Bagger, used to package corn in 80,000 kernel paper bags, bulk bags, and bulk boxes, constructed in 1996, using two (2) baghouses, identified as CD-06 and CD-08, as particulate control, and exhausting indoors.
- (j) Grain loadout consisting of the following:
- (1) One (1) silage chopper/loadout, identified as Chopper Loadout, used for chopping husk and rogue ears and loadout onto trucks, constructed in 2009, with a maximum throughput of 20 tons per hour, and with fugitive emissions exhausting to the atmosphere.
 - (2) One (1) cob/bees wings loadout, identified as Cob/Bees Wings loadout, used for loadout of cob and bees wings from the cleaner, constructed in 1991, with a maximum throughput of 0.5 ton per hour, and with fugitive emissions exhausting to the atmosphere.
 - (3) One (1) discard bin loadout, identified as Discard Bin Loadout, used for truck loadout of damaged seeds, constructed in 1994, with a maximum throughput of 1500 bushels per hour, and with fugitive emissions exhausting to the atmosphere.
 - (4) One (1) shelled seed shipping probox, identified as Shelled Seed Shipping, used for bulk seed loading into trucks, constructed in 2005, with a total maximum throughput of 2000 bushels per hour, and with fugitive emissions exhausting to the atmosphere.
- (k) Fugitive emissions from paved roads, unpaved roads, and parking lots.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)][326 IAC 2-5.1-4]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as described in the application or the permit. The emission units covered in this permit may continue operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as described.
- (b) If actual construction of the emission units differs from the construction described in the application, the source may not continue operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

B.4 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

- (a) This permit, M139-28892-00009, 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, until the renewal permit has been issued or denied.

B.5 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.6 Enforceability

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.7 Severability

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.8 Property Rights or Exclusive Privilege

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

B.9 Duty to Provide Information

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. 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.10 Annual Notification [326 IAC 2-6.1-5(a)(5)]

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, 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 Permittee shall implement the PMPs.

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M139-28892-00009 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

B.13 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

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

B.14 Permit Renewal [326 IAC 2-6.1-7]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
 - (1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.15 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.16 Source Modification Requirement

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

B.17 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air

pollution control equipment), practices, or operations regulated or required under this permit;

- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.18 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

- (a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.19 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.20 Credible Evidence [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to construct and operate may be revoked for any of the following causes:

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

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (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 forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1][IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2][326 IAC 9-1-2]

The Permittee shall not operate an incinerator 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.6 Fugitive Dust Emissions [326 IAC 6-4]

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

C.7 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

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

- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.11 Instrument Specifications [326 IAC 2-1.1-11]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps

C.12 Response to Excursions or Exceedances

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.13 Actions Related to Noncompliance Demonstrated by a Stack Test

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall 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.

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

C.14 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

- (a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.
- (b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.
- (c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).
- (d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, 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.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

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

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

- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or

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

- (c) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) natural gas-fired bulk ear corn dryer, identified as Dryer 1, constructed in 1967, with a maximum heat input capacity of 56 MMBtu/hr, with a maximum throughput of 1250 bushels per hour, and exhausting to stack SV_Dryer_1.
- (b) One (1) natural gas-fired bulk ear corn dryer, identified as Dryer 2, constructed in 1972, with a maximum heat input capacity of 56 MMBtu/hr, with a maximum throughput of 1250 bushels per hour, and exhausting to stack SV_Dryer_2.
- (c) One (1) natural gas-fired bulk ear corn dryer, identified as Dryer 3, constructed in 1974, with a maximum heat input capacity of 56 MMBtu/hr, with a maximum throughput of 1250 bushels per hour, and exhausting to stack SV_Dryer_3.
- (d) Two (2) green corn dump pits, identified as Dump Pits 1 and 2, constructed in 1991, with a total maximum throughput of 2500 bushels per hour, and with fugitive emissions exhausting to the atmosphere.
- (e) One (1) shelled seed receiving area, identified as Shelled Seed Receiving, used for shelled seed unloading via truck, constructed in 2005, with a total maximum throughput of 3000 bushels per hour, using a baghouse, identified as CD-02, as particulate control, and exhausting indoors.
- (f) Headhouse and grain handling consisting of the following:
 - (1) Two (2) husking and sorting lines, each containing nine (9) units, both constructed in 1991, with a total maximum throughput of 2500 bushels per hour, and exhausting indoors.
 - (2) One (1) bagged seed corn area, identified as Corn Rework, constructed in 2007, with a maximum throughput of 7 tons per hour, using a baghouse, identified as CD-09, as particulate control, and exhausting to stack SV_Rework.
 - (3) Nine (9) precision sizers, identified as Sizers 1 through 9, constructed in identified as Sizers 1 through 7, constructed in 1971, and Sizers 8 and 9, constructed in 1977, each with a maximum throughput of 1000 bushels per hour, using a baghouse, identified as CD-03, as particulate control, and exhausting indoors.
 - (4) Six (6) gravity beds/separators, used to remove damaged seeds, identified as Separator 1, constructed in 1971, Separators 2 and 5, constructed in 1993, Separator 4, constructed in 2005, and Separators 3 and 6, constructed in 2007, each with a maximum throughput of 800 bushels per hour, using six (6) baghouses, collectively identified as CD-05, as particulate control, and exhausting indoors.
 - (5) One (1) drum treater surge bin, identified as Surge Bin, for the storage of treated corn, constructed in 2000, with a storage capacity of 1800 bushels, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
 - (6) One (1) drum style seed treater, identified as Treater 1, for the storage of treated corn, constructed in 2000, with a maximum throughput of 800 bushels per hour, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.

(7) Enclosed internal transfer points, identified as Enclosed, constructed in 1991, with a maximum throughput of 2500 bushels per hour, using two (2) baghouses, identified as CD-02 and CD-03, as particulate control, and exhausting indoors.

(g) Grain Cleaning consisting of the following:

(1) Two (2) corn sheller/cleaner units, identified as Sheller/Cleaner 1 and Sheller/Cleaner 2, both constructed in 1991, each with a total maximum throughput of 2400 bushels per hour, using a baghouse, identified as CD-01, and a cyclone, identified as CD-07, as particulate control, and exhausting to stack SV_Sheller, which exhausts indoors.

(2) One (1) cleaner bin, identified as Cleaner Bin, used as a temporary storage bin, constructed in 1994, with a maximum throughput of 1000 bushels per hour, and exhausting indoors.

(3) One (1) seed cleaner, identified as Cleaner, used for seed corn cleaning, constructed in 1994, with a maximum throughput of 700 bushels per hour, using a baghouse, identified as CD-04, as particulate control, and exhausting indoors.

(4) One (1) drum style treater aspirator, identified as Treater Aspirator, used for seed corn cleaning, constructed in 1992, with a maximum throughput of 800 bushels per hour, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.

(h) Grain Storage consisting of the following:

(1) One (1) cob/bees wings storage bin, identified as Cob/Bees Wings Bin, constructed in 1991, with a storage capacity of 40 tons, and exhausting indoors.

(2) One (1) discard bin for damaged seeds, identified as Discard Bin, constructed in 1994, with a storage capacity of 100 bushels, using a baghouse, identified as CD-03, as particulate control, and exhausting indoors.

(3) Twenty-six (26) kernel size bins, identified as Kernel Bins 1 through 26, all constructed in 1980, each with a storage capacity of 250 bushels, using a baghouse, identified as CD-03, as particulate control, and exhausting indoors.

(4) One (1) bulk storage building, identified as Bulk Storage, with a maximum storage capacity of 800,000 bushels, using a baghouse, identified as CD-02, as particulate control, exhausting to stack SV_Bulk, and containing the following:

(A) Six (6) storage bins, identified as Bins B-1 through B-6, constructed in 2005, each with a storage capacity of 20,000 bushels.

(B) Twenty-eight (28) storage bins, identified as Bins B-7 through B-34, constructed in 2005, each with a storage capacity of 10,000 bushels.

(C) Forty-six (46) storage bins, identified as Bins B-35 through B-80, constructed in 2010, each with a storage capacity of 8000 bushels.

(D) Two (2) storage bins, identified as Bins B-81 and B-82, constructed in 2010, each with a storage capacity of 16,000 bushels.

(5) Four (4) treated seed packaging bins, identified as Treated Bins 1 through 4, all constructed in 2000, each with a storage capacity of 450 bushels of treated seed, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.

- (6) One (1) untreated seed packaging bin, identified as Untreated Bin, constructed in 2000, with a storage capacity of 300 bushels of untreated seed, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
- (i) Grain packaging consisting of the following:
- One (1) treated and untreated seed bagger, identified as Bagger, used to package corn in 80,000 kernel paper bags, bulk bags, and bulk boxes, constructed in 1996, using two (2) baghouses, identified as CD-06 and CD-08, as particulate control, and exhausting indoors.
- (j) Grain loadout consisting of the following:
- (1) One (1) silage chopper/loadout, identified as Chopper Loadout, used for chopping husk and rogue ears and loadout onto trucks, constructed in 2009, with a maximum throughput of 20 tons per hour, and with fugitive emissions exhausting to the atmosphere.
- (2) One (1) cob/bees wings loadout, identified as Cob/Bees Wings loadout, used for loadout of cob and bees wings from the cleaner, constructed in 1991, with a maximum throughput of 0.5 ton per hour, and with fugitive emissions exhausting to the atmosphere.
- (3) One (1) discard bin loadout, identified as Discard Bin Loadout, used for truck loadout of damaged seeds, constructed in 1994, with a maximum throughput of 1500 bushels per hour, and with fugitive emissions exhausting to the atmosphere.
- (4) One (1) shelled seed shipping probox, identified as Shelled Seed Shipping, used for bulk seed loading into trucks, constructed in 2005, with a total maximum throughput of 2000 bushels per hour, and with fugitive emissions exhausting to the atmosphere.
- (The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

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

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

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

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

or

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

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

Emission Unit	Maximum Process Weight (bu/hr) for each unit of that type	Maximum Process Weight (tons/hour)¹ for each unit of that type	326 IAC 6-3 Limit (lbs/hr) for each unit of that type	Maximum Particulate Emissions (lbs/hr) before control
Green Corn Dump Pits 1 and 2	1250	58.13	45.99	2.04
Husking Beds/Sorting tables	1250	58.13	45.99	3.55
Enclosed Internal Transfers	2500	70.00	47.77	13.23
Silage Chopper/Loadout	n/a	20.00	30.51	0.86
Bulk Ear Corn Dryers 1, 2, and 3	1250	58.13	45.99	12.79
Sheller/Cleaners 1 and 2	2400	111.60	52.39	83.70
Cob/Bees Wings Storage Bin and Truck Loadout	n/a	20.00	30.51	0.86
Bulk Building	400,000	111.60	52.39	9.60
Shelled Corn - Receiving	3000	84.00	49.54	2.94
Shelled Corn - Shipping Probox	2000	56.00	45.64	4.82
Cleaner Bin	1000	28.00	38.23	0.70
Cleaner	700	19.60	30.10	14.70
Precision Sizers	1000	28.00	38.23	1.71
Gravity Beds/Separators	800	22.40	32.92	1.37
Kernel Size Bins	1000	28.00	38.23	0.70
Discard Bin Loadout	1500	42.00	42.97	3.61
Drum Treater Aspirator	800	22.40	32.92	16.80
Drum Treater Surge Bin	800	22.40	32.92	0.56
Drum Treater	800	22.40	32.92	1.37
Bagging bins (treated and untreated)	2100	58.80	46.10	1.47
Bagger (treated and untreated)	750	21.00	31.53	1.81

¹Maximum Process Weight (tons/hour) calculated assuming 93 lbs/bu for all units handling corn still on the cob: Green Corn Dump Pits 1 and 2, Husking Beds/Sorting Tables, Bulk Ear Corn Dryers 1, 2, and 3, and Sheller/Cleaner. All other units handle either shelled corn or wheat, for which a conversion of 56 lbs/bu is assumed.

D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A preventive maintenance plan is required for the Grain Dryers (1 through 3), the seed treater, and the following control devices: CD01, CD02, CD03, CD04, CD05, CD06, CD07, CD08, and CD09. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.3 Particulate Control

- (a) In order to comply with Condition D.1.1, the baghouse, identified as CD-01, shall be in operation and control emissions from the two (2) corn sheller/cleaner units, identified as Sheller/Cleaner 1 and Sheller/Cleaner 2, at all times these facilities are in operation.

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

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name:	Pioneer Hi-Bred International, Inc.
Address:	3258 West US Highway 52
City:	Rushville, Indiana 46173
Phone #:	(765) 932-3911
MSOP #:	M139-28892-00009

I hereby certify that Pioneer Hi-Bred International, Inc. is : still in operation.
 no longer in operation.

I hereby certify that Pioneer Hi-Bred International, Inc. is : in compliance with the requirements of MSOP M139-28892-00009.
 not in compliance with the requirements of MSOP M139-28892-00009.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

MALFUNCTION REPORT
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FAX NUMBER: (317) 233-6865

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

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100 TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

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

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

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

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

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

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

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

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

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____

MEASURES TAKEN TO MINIMIZE EMISSIONS: _____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

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

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

MALFUNCTION RECORDED BY: _____ DATE: _____ TIME: _____

*SEE PAGE 2

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

326 IAC 1-6-1 Applicability of rule

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

326 IAC 1-2-39 "Malfunction" definition

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

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

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

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

Addendum to the Technical Support Document (ATSD) for a
New Source Construction and Minor Source Operating Permit (MSOP)

Source Background and Description

Source Name:	Pioneer Hi-Bred International, Inc.
Source Location:	3258 West US Highway 52, Rushville, Indiana 46173
County:	County
SIC Code:	Rush
Operation Permit No.:	M139-28892-00009
Permit Reviewer:	Meredith W. Jones

On June 15, 2010, the Office of Air Quality (OAQ) had a notice published in the Rushville Republican, Rushville, Indiana, stating that Pioneer Hi-Bred International, Inc. had applied for a New Source Construction and Minor Source Operating Permit (MSOP) to continue operating an existing stationary grain elevator and seed processing operation. The notice also stated that the OAQ proposed to issue a New Source Construction and Minor Source Operating Permit (MSOP) for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Comments and Responses

On July 15, 2010, Trinity Consultants, on behalf of Pioneer Hi-Bred International, Inc., submitted comments to IDEM, OAQ on the draft New Source Construction and Minor Source Operating Permit (MSOP).

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

Comment 1:

The construction date for Bulk Storage is listed as 2009; however, there are two construction dates for this emission unit. The existing bulk storage building was constructed in 2005 and is being expanded in 2010 to add additional storage capacity. Therefore, Pioneer requests that the emission unit descriptions for Bulk Storage in the permit and in the "Unpermitted Emission Units and Pollution Control" section of the TSD be corrected.

Response to Comment 1:

IDEM agrees with the recommended changes. The permit has been revised as follows:

A.2 Emission Units and Pollution Control Equipment Summary

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

...

(h) Grain Storage consisting of the following:

...

- (4) One (1) bulk storage building, identified as Bulk Storage, ~~constructed in 2009~~, with a maximum storage capacity of 800,000 bushels, using a baghouse, identified as CD-02, as particulate control, exhausting to stack SV_Bulk, and containing the following:
 - (A) Six (6) storage bins, identified as Bins B-1 through B-6, **constructed in 2005**, each with a storage capacity of 20,000 bushels.
 - (B) Twenty-eight (28) storage bins, identified as Bins B-7 through B-34, **constructed in 2005**, each with a storage capacity of 10,000 bushels.
 - (C) Forty-six (46) storage bins, identified as Bins B-35 through B-80, **constructed in 2010**, each with a storage capacity of 8000 bushels.
 - (D) Two (2) storage bins, identified as Bins B-81 and B-82, **constructed in 2010**, each with a storage capacity of 16,000 bushels.

...

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

...

- (h) Grain Storage consisting of the following:
 - (4) One (1) bulk storage building, identified as Bulk Storage, ~~constructed in 2009~~, with a maximum storage capacity of 800,000 bushels, using a baghouse, identified as CD-02, as particulate control, exhausting to stack SV_Bulk, and containing the following:
 - (A) Six (6) storage bins, identified as Bins B-1 through B-6, **constructed in 2005**, each with a storage capacity of 20,000 bushels.
 - (B) Twenty-eight (28) storage bins, identified as Bins B-7 through B-34, **constructed in 2005**, each with a storage capacity of 10,000 bushels.
 - (C) Forty-six (46) storage bins, identified as Bins B-35 through B-80, **constructed in 2010**, each with a storage capacity of 8000 bushels.
 - (D) Two (2) storage bins, identified as Bins B-81 and B-82, **constructed in 2010**, each with a storage capacity of 16,000 bushels.

...

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

Comment 2:

Pioneer requests that the PMP language in Condition D.1.2 be revised to specify which equipment and control devices require a PMP. This language is consistent with PMP requirements contained in permits issued for Pioneer's Plymouth, IN facility (F099-28026-00029) and Worthington, IN facility (M055-27384-00009), both of which are similar to the Rushville Facility

Response to Comment 2:

IDEM agrees with the recommended changes. The permit has been revised as follows:

D.1.2 Preventive Maintenance Plan [326 IAC 1-6-3]

A preventive maintenance plan is required for ~~these facilities and their control devices~~ **the Grain Dryers (1 through 3), the seed treater, and the following control devices: CD01, CD02, CD03, CD04, CD05, CD06, CD07, CD08, and CD09.** Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Comment 3:

The draft permit requires that Pioneer monitor and record the pressure drop across the baghouse used in conjunction with the two (2) corn sheller/cleaner units at least once per day when the units are in operation. The permit application incorrectly described the stack serving this baghouse as venting outside. The stack is as an indoor stack. Since this baghouse does not vent directly to the atmosphere, Pioneer requests that the baghouse monitoring requirements be removed from the MSOP.

Response to Comment 3:

IDEM agrees with the recommended changes. However, emissions units that vent exclusively indoors are generally subject to compliance monitoring requirements regardless of the fact that they do not vent directly to the atmosphere. IDEM, OAQ's Compliance and Enforcement Branch agrees that these requirements are not necessary in this specific situation because the potential emissions from the two (2) corn sheller/cleaner units are small enough that non-compliance with the applicable rules is not a potential issue. The permit has therefore been revised as follows:

A.2 Emission Units and Pollution Control Equipment Summary

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

...

(g) Grain Cleaning consisting of the following:

- (1) Two (2) corn sheller/cleaner units, identified as Sheller/Cleaner 1 and Sheller/Cleaner 2, both constructed in 1991, each with a maximum throughput of 2400 bushels per hour, using a baghouse, identified as CD-01, and a cyclone, identified as CD-07, as particulate control, and exhausting to stack SV_Sheller, **which exhausts indoors.**

...

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

...

(g) Grain Cleaning consisting of the following:

- (1) Two (2) corn sheller/cleaner units, identified as Sheller/Cleaner 1 and Sheller/Cleaner 2, both constructed in 1991, each with a total maximum throughput of 2400 bushels per hour, using a baghouse, identified as CD-01, and a cyclone, identified as CD-07, as particulate control, and exhausting to stack SV_Sheller, **which exhausts indoors.**

...

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

...

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

D.1.4 Parametric Monitoring

- ~~(a) The Permittee shall record the pressure drop across the baghouse, identified as CD-01 used in conjunction with the two (2) corn sheller/cleaner units, identified as Sheller/Cleaner 1 and Sheller/Cleaner 2, at least once per day when the corn sheller/cleaner units are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 5.0 inches of water or 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.~~
- ~~(b) The instruments 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.~~

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

D.1.5 Record Keeping Requirements

- ~~(a) To document the compliance status with Condition D.1.4, the Permittee shall maintain records once per day of the pressure drop across the baghouse. 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).~~
- ~~(b) Section C - General Record Keeping Requirements, of this permit, contains the Permittee's obligations with regard to the records required by this condition.~~

IDEM Contact

- (a) Questions regarding this proposed New Source Construction and Minor Source Operating Permit (MSOP) can be directed to Meredith Jones 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) 234-5176 or toll free at 1-800-451-6027 extension 4-5176.
- (b) A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov.

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

Technical Support Document (TSD) for a New Source Construction and
Minor Source Operating Permit (MSOP)

Source Description and Location

Source Name: Pioneer Hi-Bred International, Inc.
Source Location: 3258 West US Highway 52, Rushville, IN 46173
County: Rush
SIC Code: 5153
Operation Permit No.: M139-28892-00009
Permit Reviewer: Meredith W. Jones

On January 20, 2010, the Office of Air Quality (OAQ) received an application from Pioneer Hi-Bred International, Inc. related to the continued operation of an existing stationary grain elevator and seed processing operation.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

- (a) Construction Permit No. (139) 2070/Operating Permit No. 139-00009, issued on September 9, 1991.

County Attainment Status

The source is located in Rush County.

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

- (a) *Ozone Standards*
Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Rush County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) *PM_{2.5}*
Rush County has been classified as attainment for PM_{2.5}. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM_{2.5} emissions, and the effective date of these rules was July 15, 2008. Indiana has three years from

the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions until 326 IAC 2-2 is revised.

(c) *Other Criteria Pollutants*

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

Fugitive Emissions

- (a) The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-6.1 (Minor Source Operating Permits) applicability.
- (b) Since 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, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Background and Description of Permitted Emission Units

The Office of Air Quality (OAQ) has reviewed an application, submitted by Pioneer Hi-Bred International, Inc. on January 20, 2010, relating to the continued operation of an existing stationary grain elevator and seed processing operation.

The source consists of the following permitted emission units:

- (a) Grain Cleaning consisting of the following:
 - (1) Two (2) corn sheller/cleaner units, identified as Sheller/Cleaner 1 and Sheller/Cleaner 2, both constructed in 1991, each with a maximum throughput of 2400 bushels per hour, using a baghouse, identified as CD-01, and a cyclone, identified as CD-07, as particulate control, and exhausting to stack SV_Sheller.

Unpermitted Emission Units and Pollution Control Equipment

The source consists of the following unpermitted emission units:

- (a) One (1) natural gas-fired bulk ear corn dryer, identified as Dryer 1, constructed in 1967, with a maximum heat input capacity of 56 MMBtu/hr, with a maximum throughput of 1250 bushels per hour, and exhausting to stack SV_Dryer_1.
- (b) One (1) natural gas-fired bulk ear corn dryer, identified as Dryer 2, constructed in 1972, with a maximum heat input capacity of 56 MMBtu/hr, with a maximum throughput of 1250 bushels per hour, and exhausting to stack SV_Dryer_2.
- (c) One (1) natural gas-fired bulk ear corn dryer, identified as Dryer 3, constructed in 1974, with a maximum heat input capacity of 56 MMBtu/hr, with a maximum throughput of 1250 bushels per hour, and exhausting to stack SV_Dryer_3.
- (d) Two (2) green corn dump pits, identified as Dump Pits 1 and 2, constructed in 1991, with a total maximum throughput of 2500 bushels per hour, and with fugitive emissions exhausting to the atmosphere.
- (e) One (1) shelled seed receiving area, identified as Shelled Seed Receiving, used for shelled seed

unloading via truck, constructed in 2005, with a total maximum throughput of 3000 bushels per hour, using a baghouse, identified as CD-02, as particulate control, and exhausting indoors.

(f) Headhouse and grain handling consisting of the following:

- (1) Two (2) husking and sorting lines, each containing nine (9) units, both constructed in 1991, with a total maximum throughput of 2500 bushels per hour, and exhausting indoors.
- (2) One (1) bagged seed corn area, identified as Corn Rework, constructed in 2007, with a maximum throughput of 7 tons per hour, using a baghouse, identified as CD-09, as particulate control, and exhausting to stack SV_Rework.
- (3) Nine (9) precision sizers, identified as Sizers 1 through 7, constructed in 1971, and Sizers 8 and 9, constructed in 1977, each with a maximum throughput of 1000 bushels per hour, using a baghouse, identified as CD-03, as particulate control, and exhausting indoors.
- (4) Six (6) gravity beds/separators, used to remove damaged seeds, identified as Separator 1, constructed in 1971, Separators 2 and 5, constructed in 1993, Separator 4, constructed in 2005, and Separators 3 and 6, constructed in 2007, each with a maximum throughput of 800 bushels per hour, using six (6) baghouses, collectively identified as CD-05, as particulate control, and exhausting indoors.
- (5) One (1) drum treater surge bin, identified as Surge Bin, for the storage of treated corn, constructed in 2000, with a storage capacity of 1800 bushels, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
- (6) One (1) drum style seed treater, identified as Treater 1, for the storage of treated corn, constructed in 2000, with a maximum throughput of 800 bushels per hour, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
- (7) Enclosed internal transfer points, identified as Enclosed, constructed in 1991, with a maximum throughput of 2500 bushels per hour, using two (2) baghouses, identified as CD-02 and CD-03, as particulate control, and exhausting indoors.

(g) Grain Cleaning consisting of the following:

- (1) One (1) cleaner bin, identified as Cleaner Bin, used as a temporary storage bin, constructed in 1994, with a maximum throughput of 1000 bushels per hour, and exhausting indoors.
- (2) One (1) seed cleaner, identified as Cleaner, used for seed corn cleaning, constructed in 1994, with a maximum throughput of 700 bushels per hour, using a baghouse, identified as CD-04, as particulate control, and exhausting indoors.
- (3) One (1) drum style treater aspirator, identified as Treater Aspirator, used for seed corn cleaning, constructed in 1992, with a maximum throughput of 800 bushels per hour, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.

(h) Grain Storage consisting of the following:

- (1) One (1) cob/bees wings storage bin, identified as Cob/Bees Wings Bin, constructed in 1991, with a storage capacity of 40 tons, and exhausting indoors.
- (2) One (1) discard bin for damaged seeds, identified as Discard Bin, constructed in 1994, with a storage capacity of 100 bushels, using a baghouse, identified as CD-03, as particulate control, and exhausting indoors.

- (3) Twenty-six (26) kernel size bins, identified as Kernel Bins 1 through 26, all constructed in 1980, each with a storage capacity of 250 bushels, using a baghouse, identified as CD-03, as particulate control, and exhausting indoors.
- (4) One (1) bulk storage building, identified as Bulk Storage, constructed in 2009, with a maximum storage capacity of 800,000 bushels, using a baghouse, identified as CD-02, as particulate control, exhausting to stack SV_Bulk, and containing the following:
 - (A) Six (6) storage bins, identified as Bins B-1 through B-6, each with a storage capacity of 20,000 bushels.
 - (B) Twenty-eight (28) storage bins, identified as Bins B-7 through B-34, each with a storage capacity of 10,000 bushels.
 - (C) Forty-six (46) storage bins, identified as Bins B-35 through B-80, each with a storage capacity of 8000 bushels.
 - (D) Two (2) storage bins, identified as Bins B-81 and B-82, each with a storage capacity of 16,000 bushels.
- (5) Four (4) treated seed packaging bins, identified as Treated Bins 1 through 4, all constructed in 2000, each with a storage capacity of 450 bushels of treated seed, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
- (6) One (1) untreated seed packaging bin, identified as Untreated Bin, constructed in 2000, with a storage capacity of 300 bushels of untreated seed, using a baghouse, identified as CD-08, as particulate control, and exhausting indoors.
- (i) Grain packaging consisting of the following:

One (1) treated and untreated seed bagger, identified as Bagger, used to package corn in 80,000 kernel paper bags, bulk bags, and bulk boxes, constructed in 1996, using two (2) baghouses, identified as CD-06 and CD-08, as particulate control, and exhausting indoors.
- (j) Grain loadout consisting of the following:
 - (1) One (1) silage chopper/loadout, identified as Chopper Loadout, used for chopping husk and rogue ears and loadout onto trucks, constructed in 2009, with a maximum throughput of 20 tons per hour, and with fugitive emissions exhausting to the atmosphere.
 - (2) One (1) cob/bees wings loadout, identified as Cob/Bees Wings loadout, used for loadout of cob and bees wings from the cleaner, constructed in 1991, with a maximum throughput of 0.5 ton per hour, and with fugitive emissions exhausting to the atmosphere.
 - (3) One (1) discard bin loadout, identified as Discard Bin Loadout, used for truck loadout of damaged seeds, constructed in 1994, with a maximum throughput of 1500 bushels per hour, and with fugitive emissions exhausting to the atmosphere.
 - (4) One (1) shelled seed shipping probox, identified as Shelled Seed Shipping, used for bulk seed loading into trucks, constructed in 2005, with a total maximum throughput of 2000 bushels per hour, and with fugitive emissions exhausting to the atmosphere.
- (k) Fugitive emissions from paved roads, unpaved roads, and parking lots.

Enforcement Issues

IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. IDEM is reviewing this matter and will take the appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit rules.

Emission Calculations

See Appendix A of this TSD for detailed emission calculations.

Permit Level Determination – MSOP

The following table reflects the unlimited potential to emit (PTE) of the entire source before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	121.84
PM ₁₀ ⁽¹⁾	41.34
PM _{2.5}	11.56
SO ₂	0.44
NO _x	73.58
VOC	15.48
CO	61.81

(1) Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM₁₀), not particulate matter (PM), is considered as a "regulated air pollutant".

HAPs	Potential To Emit (tons/year)
Ethylene Glycol	0.83
Benzene	1.55E-03
Dichlorobenzene	8.83E-04
Formaldehyde	5.52E-02
Hexane	1.32
Toluene	2.50E-03
Lead	3.68E-04
Cadmium	8.09E-04
Chromium	1.03E-03
Manganese	2.80E-04
Nickel	1.55E-03
TOTAL HAPs	2.22

- (a) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of PM, PM₁₀, NO_x, and CO are each less than one hundred (100) tons per year, but greater than or equal to twenty-five (25) tons per year. The PTE of all other regulated criteria pollutants are less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. A Minor Source Operating Permit (MSOP) will be issued.
- (b) The potential to emit (PTE) (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is less than ten (10) tons per year and the PTE of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

- (a) The requirements of the New Source Performance Standard for Grain Elevators (40 CFR 60, Subpart DD) (326 IAC 12) are not included in the permit for the grain elevator because the source does not have a permanent storage capacity greater than 2.5 million U.S. bushels and does not perform any grain milling or oil extraction.
- (b) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in the permit.

Compliance Assurance Monitoring (CAM)

- (d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

State Rule Applicability Determination

The following state rules are applicable to the source:

326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))

MSOP applicability is discussed under the Permit Level Determination – MSOP section above.

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

This source is not a major stationary source, under PSD (326 IAC 2-2), because the potential to emit of all attainment regulated pollutants is less than 250 tons per year, each, and this source is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1). Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

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

The potential to emit of any single HAP is less than ten (10) tons per year and the potential to emit of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-4.1.

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1, this source is not subject to this rule because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15)

minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

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

Grain Elevator and Seed Production Operations

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

None of the three (3) natural gas-fired bulk ear corn dryers, identified as Dryer 1 through 3, are subject to the requirements of 326 IAC 6-2 because none of these emission units are sources of indirect heating.

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

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

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

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

or

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

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

Emission Unit	Maximum Process Weight (bu/hr) for each unit of that type	Maximum Process Weight (tons/hour) ¹ for each unit of that type	326 IAC 6-3 Limit (lbs/hr) for each unit of that type	Maximum Particulate Emissions (lbs/hr) before control
Green Corn Dump Pits 1 and 2	1250	58.13	45.99	2.04
Husking Beds/Sorting tables	1250	58.13	45.99	3.55
Enclosed Internal Transfers	2500	70.00	47.77	13.23
Silage Chopper/Loadout	n/a	20.00	30.51	0.86
Bulk Ear Corn Dryers 1, 2, and 3	1250	58.13	45.99	12.79
Sheller/Cleaners 1 and 2	2400	111.60	52.39	83.70
Cob/Bees Wings Storage Bin and Truck Loadout	n/a	20.00	30.51	0.86

Emission Unit	Maximum Process Weight (bu/hr) for each unit of that type	Maximum Process Weight (tons/hour) ¹ for each unit of that type	326 IAC 6-3 Limit (lbs/hr) for each unit of that type	Maximum Particulate Emissions (lbs/hr) before control
Bulk Building	400,000	111.60	52.39	9.60
Shelled Corn - Receiving	3000	84.00	49.54	2.94
Shelled Corn - Shipping Probox	2000	56.00	45.64	4.82
Cleaner Bin	1000	28.00	38.23	0.70
Cleaner	700	19.60	30.10	14.70
Precision Sizers	1000	28.00	38.23	1.71
Gravity Beds/Separators	800	22.40	32.92	1.37
Kernel Size Bins	1000	28.00	38.23	0.70
Discard Bin Loadout	1500	42.00	42.97	3.61
Drum Treater Aspirator	800	22.40	32.92	16.80
Drum Treater Surge Bin	800	22.40	32.92	0.56
Drum Treater	800	22.40	32.92	1.37
Bagging bins (treated and untreated)	2100	58.80	46.10	1.47
Bagger (treated and untreated)	750	21.00	31.53	1.81

¹Maximum Process Weight (tons/hour) calculated assuming 93 lbs/bu for all units handling corn still on the cob: Green Corn Dump Pits 1 and 2, Husking Beds/Sorting Tables, Bulk Ear Corn Dryers 1, 2, and 3, and Sheller/Cleaner. All other units handle either shelled corn or wheat, for which a conversion of 56 lbs/bu is assumed.

The following facilities have potential particulate emissions less than 0.551 lb/hr and are therefore not subject to the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes): Cob/Bees Wings Loadout, Discard Bin, and Corn Rework.

The baghouse, identified as CD-01, shall be in operation at all times the two (2) corn sheller/cleaner units, identified as Sheller/Cleaner 1 and Sheller/Cleaner 2, are in operation, in order to comply with this rule. Based on calculations, all other emission units are able to comply with this rule without the use of a control device.

Seed Treater

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

The one (1) drum style seed treater, identified as Treater 1, is not subject to the requirements of 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities) because potential VOC emissions from this facility are less than twenty-five (25) tons per year.

Compliance Determination, Monitoring and Testing Requirements
--

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

Emission Unit/Control	Operating Parameters	Frequency
Sheller/Cleaner 1 and 2: baghouse (CD-01)	pressure drop	at least once per day when the corn sheller/cleaner units are in operation

Conclusion and Recommendation

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 20, 2010.

The construction and operation of this source shall be subject to the conditions of the attached proposed New Source Construction and MSOP No. M139-28892-00009. The staff recommends to the Commissioner that this New Source Review and MSOP be approved.

IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Meredith Jones 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) 234-5176 or toll free at 1-800-451-6027 extension 4-5176.
- (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: Pioneer Hi-Bred International, Inc.
 Address: 3258 West US Highway 52, Rushville, IN 46173
 Permit No.: M139-28892-00009
 Reviewer: Calculations submitted by Pioneer Hi-Bred International, Inc. & reviewed by Meredith W. Jones
 Date: 3/3/10

****Potential to Emit Summary****

Uncontrolled (tons/yr)

<i>Emission Unit</i>	<i>PM</i>	<i>PM₁₀</i>	<i>PM_{2.5}</i>	<i>SO_x</i>	<i>NO_x</i>	<i>VOC</i>	<i>CO</i>	<i>Total HAPs</i>	<i>Worst Single HAP</i>
Seed Treater - Corn	-	-	-	-	-	9.65	-	0.65	0.65 (Ethylene Glycol)
Seed Treater - Wheat	-	-	-	-	-	1.79	-	0.18	0.18 (Ethylene Glycol)
Grain Elevator- Corn									
Unloading/Receiving: Hopper Truck	1.69	0.39	0.05	-	-	-	-	-	-
Drying: Dryer	7.08	1.77	0.30	-	-	-	-	-	-
Grain Cleaning	76.06	19.27	3.25	-	-	-	-	-	-
Headhouse and Grain Handling	14.92	8.32	1.42	-	-	-	-	-	-
Storage	4.02	1.01	0.18	-	-	-	-	-	-
Shipping and Packaging Truck (unspecified)	5.27	1.78	0.30	-	-	-	-	-	-
Grain Elevator- Wheat									
Unloading/Receiving: Hopper Truck	0.10	0.02	2.89E-03	-	-	-	-	-	-
Grain Cleaning	4.33	1.10	0.18	-	-	-	-	-	-
Headhouse and Grain Handling	1.07	0.60	0.10	-	-	-	-	-	-
Storage	0.36	0.09	0.02	-	-	-	-	-	-
Shipping and Packaging Truck (unspecified)	0.50	0.17	0.03	-	-	-	-	-	-
Natural Gas Combustion: Bulk Ear Corn Dryers									
	1.40	5.59	5.59	0.44	73.58	4.05	61.81	1.39	1.32 (Hexane)
Unpaved Roads	3.36	0.91	0.09	-	-	-	-	-	-
Paved Roads	1.67	0.33	0.05	-	-	-	-	-	-
Total	121.84	41.34	11.56	0.44	73.58	15.48	61.81	2.22	1.32 (Hexane)

Controlled (tons/yr)

<i>Emission Unit</i>	<i>PM</i>	<i>PM₁₀</i>	<i>PM_{2.5}</i>	<i>SO_x</i>	<i>NO_x</i>	<i>VOC</i>	<i>CO</i>	<i>Total HAPs</i>	<i>Worst Single HAP</i>
Seed Treater - Corn	-	-	-	-	-	9.65	-	0.65	0.65 (Ethylene Glycol)
Seed Treater - Wheat	-	-	-	-	-	1.79	-	0.18	0.18 (Ethylene Glycol)
Grain Elevator- Corn									
Unloading/Receiving: Hopper Truck	0.59	0.13	0.02	-	-	-	-	-	-
Drying: Dryer	7.08	1.77	0.30	-	-	-	-	-	-
Grain Cleaning*	0.76	0.19	0.03	-	-	-	-	-	-
Headhouse and Grain Handling	1.12	0.62	0.11	-	-	-	-	-	-
Storage	4.02	1.01	0.18	-	-	-	-	-	-
Shipping and Packaging Truck (unspecified)	2.53	0.85	0.14	-	-	-	-	-	-
Grain Elevator- Wheat									
Unloading/Receiving: Hopper Truck	2.02E-03	4.62E-04	5.77E-05	-	-	-	-	-	-
Grain Cleaning	0.04	0.01	1.85E-03	-	-	-	-	-	-
Headhouse and Grain Handling	0.01	0.01	1.02E-03	-	-	-	-	-	-
Storage	0.36	0.09	0.02	-	-	-	-	-	-
Shipping and Packaging Truck (unspecified)	0.25	0.08	0.01	-	-	-	-	-	-
Natural Gas Combustion: Bulk Ear Corn Dryers									
	1.40	5.59	5.59	0.44	73.58	4.05	61.81	1.39	1.32 (Hexane)
Unpaved Roads	0.67	0.18	0.02	-	-	-	-	-	-
Paved Roads	0.42	0.08	0.01	-	-	-	-	-	-
Total	19.26	10.64	6.44	0.44	73.58	15.48	61.81	2.22	1.32 (Hexane)

*Compliance with 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) requires the use of a control device to control particulate emissions from the two (2) corn sheller/cleaner units, identified as Sheller/Cleaner 1 and Sheller/Cleaner 2.

Company Name: Pioneer Hi-Bred International, Inc.
Address: 3258 West US Highway 52, Rushville, IN 46173
Permit No.: M139-28892-00009
Reviewer: Calculations submitted by Pioneer Hi-Bred International, Inc. & reviewed by Meredith W. Jones
Date: 3/3/10

****Operating Rates****

Historical Data (Dryers 1-4 and Existing Processing Equipment)

	Year					
	2008	2007	2006	2005	2004	Max
Production Inputs - Green Corn (bu/yr)	1,083,859	894,960	567,437	752,593	736,093	1,083,859
Production Inputs - Shelled Corn (bu/yr)	70,000	70,000	70,000	70,000	70,000	70,000
Production Inputs - Wheat (bu/yr)	160,327	109,960	112,398	-	122,359	160,327
Dryer Natural Gas Usage (therms/yr)	711,465	424,835	448,365	364,003	502,533	711,465
Dryer Natural Gas Usage (mmscf/yr)	69.75	41.65	43.96	35.69	49.27	69.75

Dryer Capacities (Dryers 1-3)

Dryer Natural Gas Capacity (MMBtu/hr)	168
Dryer Natural Gas Capacity (mmscf/yr)	1,443

(assumes 8760 operating hours per year)

Potential Production Capacity (bu/yr)

Potential Production Capacity - Corn	1,384,631
Potential Production Capacity - Wheat	192,392

Methodology

Potential Production Capacity - Corn = (Green Corn Past Maximum Production [bu/yr] + Shelled Corn Past Maximum Production [bu/yr]) * 1.2
 Potential Production Capacity - Wheat = Past Maximum Production [bu/yr] * 1.2

Company Name: Pioneer Hi-Bred International, Inc.
Address: 3258 West US Highway 52, Rushville, IN 46173
Permit No.: M139-28892-00009
Reviewer: Calculations submitted by Pioneer Hi-Bred International, Inc. & reviewed by Meredith W. Jones
Date: 3/3/10

****Seed Treater - Corn****

Emission Unit	Seed Additive	Additive Properties				Seed Production Data	Additive Usage Data				Potential Emissions (Uncontrolled)	
		Pollutant	% Pollutant by Weight	Density (lbs/gal)	Emission Factor (lbs/gal)	Annual Capacity (tons/yr)	Seed Additive Usage ¹ (oz/cwt)	Seed Additive Usage ¹ (oz/ton)	Annual Capacity (gal/yr)	2008 Usage (gal/yr)	VOC (tons/yr)	HAP: Ethylene Glycol (tons/yr)
Seed Treater	Cruiser 5FS Insecticide	VOC	2.6%	10.51	0.27	38,770	5.08	101.59	30,770	6,560	4.20	-
	Polymer, Incotec L250 & L320 (0.65 mg/ker)	VOC	0.0%	-	-		-	-	-	6,802	-	-
	MaximXL (0.167 oz/cwt)	VOC	6.0%	9.18	0.55		0.17	3.34	1,012	59	0.28	-
		Ethylene Glycol	6.0%	9.18	0.55		0.17	3.34	1,012	59	-	0.28
	Dynasty	VOC	4.8%	8.68	0.42		-	-	-	0.32	-	-
	Dynasty Custom Blend	VOC	5.5%	9.01	0.50		0.39	7.762	2,351	947	0.58	-
		Ethylene Glycol	3.5%	9.01	0.32		0.39	7.762	2,351	947	-	0.37
	Raxil - 21636 (oz/cwt)	VOC	20.0%	9.20	1.84		0.74	14.8	4,483	113	4.12	-
Colorant (Red) - (0.33 oz/cwt)	VOC	5.0%	9.18	0.46	0.33	6.6	1,999	1,031	0.46	-		
Total										9.65	0.65	

¹Usage based on seed treatment formula utilized at the plant.

Methodology

Emission Factor (lbs/gal) = Density (lbs/gal) * % Pollutant by Weight

Annual Capacity (tons/yr) = Grain Product Throughput (tons/yr) * 25% treated seed production factor

Annual Capacity (gal/yr) = Annual Capacity (tons/yr) * Seed Additive Usage (oz/ton) * (1 gal/128 ounces)

Potential VOC or HAP Emissions (Uncontrolled) (tons/yr) = Annual Capacity (gal/yr) * Emission Factor (lbs/gal) * (1 ton/2000 lbs)

Company Name: Pioneer Hi-Bred International, Inc.
Address: 3258 West US Highway 52, Rushville, IN 46173
Permit No.: M139-28892-00009
Reviewer: Calculations submitted by Pioneer Hi-Bred International, Inc. & reviewed by Meredith W. Jones
Date: 3/3/10

****Seed Treater - Wheat****

Emission Unit	Seed Additive	Additive Properties				Seed Production Data	Additive Usage Data				Potential Emissions (Uncontrolled)	
		Pollutant	% Pollutant by Weight	Density (lbs/gal)	Emission Factor (lbs/gal)	Annual Capacity (tons/yr)	Seed Additive Usage ² (oz/cwt)	Seed Additive Usage ² (oz/ton)	Annual Capacity (gal/yr)	2008 Usage (gal/yr)	VOC (tons/yr)	HAP: Ethylene Glycol (tons/yr)
Seed Treater	Dividend Extreme ¹	VOC	20.0%	9.92	1.98	5,772	2.00	40	1,804	-	1.79	-
		Ethylene Glycol	2.0%	9.92	0.20		2.00	40	1,804	-	-	0.18
Total										1.79	0.18	

¹VOC content data not available. The maximum VOC content for the seed corn additives was used.

²Usage based on seed treatment formula utilized at the plant.

Methodology

Emission Factor (lbs/gal) = Density (lbs/gal) * % Pollutant by Weight

Annual Capacity (tons/yr) = Grain Product Throughput (tons/yr) * 25% treated seed production factor

Annual Capacity (gal/yr) = Annual Capacity (tons/yr) * Seed Additive Usage (oz/ton) * (1 gal/128 ounces)

Potential VOC or HAP Emissions (Uncontrolled) (tons/yr) = Annual Capacity (gal/yr) * Emission Factor (lbs/gal) * (1 ton/2000 lbs)

Company Name: Pioneer Hi-Bred International, Inc.
Address: 3258 West US Highway 52, Rushville, IN 46173
Permit No.: M139-28892-00009
Reviewer: Calculations submitted by Pioneer Hi-Bred International, Inc.
& reviewed by Meredith W. Jones
Date: 3/3/10

****Grain Elevator- Corn****

Grain	Potential Production Capacity (bu/yr) ¹	Grain Weight (lbs/bu) ²	Potential Grain Throughput (tons/yr)
Corn	1,384,631	93	64,385
Corn shipped	1,384,631	93	64,385

¹Actual production increased by 20%.

²Based on green bushel at 35% moisture.

Activity	Emission Factors (lbs/ton)			Control Efficiency	Uncontrolled Potential Emissions (tons/yr)			Controlled Potential Emissions (tons/yr)		
	PM	PM ₁₀	PM _{2.5}		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
Unloading/Receiving: Hopper Truck³										
Green Corn	0.035	0.008	0.001	n/a	0.56	0.13	0.02	0.56	0.13	0.02
Shelled Corn				98%	1.13	0.26	0.03	0.02	0.01	6.44E-04
Process Total					1.69	0.39	0.05	0.59	0.13	0.02
Drying: Dryer										
Process Total	0.22	0.055	0.0094	n/a	7.08	1.77	0.30	7.08	1.77	0.30
Grain Cleaning⁴										
Process Total	0.75	0.19	0.032	99%	76.06	19.27	3.25	0.76	0.19	0.03
Headhouse and Grain Handling										
Husking Beds/Sorting Tables ⁵	0.061	0.034	0.0058	n/a	0.98	0.55	0.09	0.98	0.55	0.09
Corn ⁶				99%	13.94	7.77	1.33	0.14	0.08	0.01
Process Total					14.92	8.32	1.42	1.12	0.62	0.11
Storage										
Process Total⁷	0.025	0.0063	0.0011	n/a	4.02	1.01	0.18	4.02	1.01	0.18
Shipping and Packaging⁸: Truck (unspecified)										
Corn by truck	0.086	0.029	0.0049	n/a	2.21	0.75	0.13	2.21	0.75	0.13
Corn Silage by chopper ⁸				n/a	0.07	0.02	3.94E-03	0.07	0.02	3.94E-03
Corn loadout by cob or bees wing ⁹				n/a	0.22	0.07	0.01	0.22	0.07	0.01
Packaging ⁸				99%	2.77	0.93	0.16	0.03	0.01	1.58E-03
Process Total					5.27	1.78	0.30	2.53	0.85	0.14

³100% of unloading is done through Hopper truck. Uncontrolled emissions for green corn unloading are reduced 50% due to inherent moisture content (green corn is still contained in husks and has a high moisture content). Emissions from shelled corn unloading are controlled by a baghouse.

⁴The emission factors in AP 42 factors account for control with a cyclone; a cyclone control efficiency of 90% was assumed to calculate the uncontrolled emission factors. A multiply factor of 3 is used to account for emissions from all grain cleaning units - Sheller/Cleaner, Cleaner, and Treater Aspirator.

⁵Uncontrolled emissions for Husking Beds/Sorting Tables are reduced 50% due to inherent moisture content (green corn is still contained in husks and has a high moisture content).

⁶Headhouse/grain handling units include enclosed internal transfers (adjusted by a factor of 3.1), gravity bins/separators, drum treater, and corn rework. The overall adjustment factor is 6.1.

⁷A multiply factor of 5 is used to account for emissions from the 5 main storage units - bulk storage, Cleaner Bin, Kernel Size Bins, Drum Treater Surge Bin, and Treated and Untreated Bagging Bins. Also, total green corn processing capacity is used to account for storage of all non-seed products including silage, cob, bees wing, and seed discard.

⁸100% of shipping is done by truck. Corn by truck includes emissions from bulk loading of trucks for untreated seed and seed discards and corn packing into bags and boxes. These emissions are included in emissions from the bagger (packaging).

⁹Since AP 42 does not have an emission factor for Silage chopper/loadout, cob loadout, and bees wing loadout, it was estimated that Silage chopper/loadout, cob loadout, and bees wing loadout will all have 50% less PM emissions than the truck loadout. It is also assumed that 5% of the green corn throughput is silage, 15% of the throughput is cobs going out, and 1% of cobs is bees wing.

Methodology

Potential Grain Throughput (tons/yr) = Potential Production Capacity (bu/yr) * Grain Weight (lbs/bu) * (1 ton/2000 lbs)

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

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

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

Company Name: Pioneer Hi-Bred International, Inc.
Address: 3258 West US Highway 52, Rushville, IN 46173
Permit No.: M139-28892-00009
Reviewer: Calculations submitted by Pioneer Hi-Bred International, Inc. & reviewed by Meredith W. Jones
Date: 3/3/10

****Grain Elevator- Wheat****

Grain	Potential Production Capacity (bu/yr) ¹	Grain Weight (lbs/bu)	Potential Grain Throughput (tons/yr)
Wheat	192,392	60	5,772
Wheat shipped	192,392	60	5,772

¹Actual production increased by 20%.

Activity	Emission Factors (lbs/ton)			Control Efficiency	Uncontrolled Potential Emissions (tons/yr)			Controlled Potential Emissions (tons/yr)		
	PM	PM ₁₀	PM _{2.5}		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
<u>Unloading/Receiving: Hopper Truck²</u>										
Wheat	0.035	0.008	0.001	98%	0.10	0.02	2.89E-03	2.02E-03	4.62E-04	5.77E-05
Process Total					0.10	0.02	2.89E-03	2.02E-03	4.62E-04	5.77E-05
<u>Grain Cleaning³</u>										
Process Total	0.75	0.19	0.032	99%	4.33	1.10	0.18	0.04	0.01	1.85E-03
<u>Headhouse and Grain Handling⁴</u>										
Wheat	0.061	0.034	0.0058	99%	0.18	0.10	0.02	1.76E-03	9.81E-04	1.67E-04
Process Total					1.07	0.60	0.10	0.01	0.01	1.02E-03
<u>Storage</u>										
Process Total⁵	0.025	0.0063	0.0011	n/a	0.36	0.09	0.02	0.36	0.09	0.02
<u>Shipping and Packaging⁶: Truck (unspecified)</u>										
Wheat by truck	0.086	0.029	0.0049	n/a	0.25	0.08	0.01	0.25	0.08	0.01
Wheat Packaging				99%	0.25	0.08	0.01	2.48E-03	8.37E-04	1.41E-04
Process Total					0.50	0.17	0.03	0.25	0.08	0.01

²100% of unloading is done through Hopper truck. Emissions from wheat unloading are controlled by a baghouse

³The emission factors in AP 42 factors account for control with a cyclone; a cyclone control efficiency of 90% was assumed to calculate the uncontrolled emission factors. A multiply factor of 2.15 is used to account for emissions from all grain cleaning units - Cleaner and Treater Aspirator.

⁴Headhouse/grain handling units include enclosed internal transfers (adjusted by a factor of 3.1), gravity bins/separators, drum treater, and corn rework. The overall adjustment factor is 6.1.

⁵A multiply factor of 5 is used to account for emissions from the 5 main storage units - bulk storage, Cleaner Bin, Kernel Size Bins, Drum Treater Surge Bin, and Treated and Untreated Bagging Bins. Also, total green corn processing capacity is used to account for storage of all non-seed products including silage, cob, bees wing, and seed discard.

⁶100% of shipping is done by truck. Wheat by truck includes emissions from bulk loading of trucks for untreated seed and seed discards.

Methodology

Potential Grain Throughput (tons/yr) = Potential Production Capacity (bu/yr) * Grain Weight (lbs/bu) * (1 ton/2000 lbs)

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

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

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

Company Name: Pioneer Hi-Bred International, Inc.
Address: 3258 West US Highway 52, Rushville, IN 46173
Permit No.: M139-28892-00009
Reviewer: Calculations submitted by Pioneer Hi-Bred International, Inc. & reviewed by Meredith W. Jones
Date: 3/3/10

Natural Gas Combustion (MMBtu/Hr <100)

****Bulk Ear Corn Dryers****

The source contains three (3) natural gas-fired bulk ear corn dryers, identified as Dryers 1, 2, and 3, each with a maximum heat input capacity of 56.0 MMBtu/hr.

Heat Input Capacity (MMBtu/hr) = Potential Throughput (MMCF/yr) =

	Pollutant						
	PM*	PM ₁₀ *	PM _{2.5}	SO ₂	NO _x **	VOC	CO
<i>Emission Factor (lbs/10⁶ scf)</i>	1.9	7.6	7.6	0.6	100.0	5.5	84.0
Potential Emissions (tons/yr)	1.40	5.59	5.59	0.44	73.58	4.05	61.81

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

**Emission Factors for NO_x: Uncontrolled = 100; Low NO_x Burner = 50; Low NO_x Burners/Flue gas recirculation = 32

	HAPs: Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
<i>Emission Factor (lbs/10⁶ scf)</i>	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emissions (tons/yr)	1.55E-03	8.83E-04	5.52E-02	1.32	2.50E-03

	HAPs: Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
<i>Emission Factor (lbs/10⁶ scf)</i>	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emissions (tons/yr)	3.68E-04	8.09E-04	1.03E-03	2.80E-04	1.55E-03

Total HAPs (tons/yr) = 1.39

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

10⁶ scf = MMCF

Heating Value = 1000 MMBtu/10⁶ scf

Potential Throughput (MMCF/yr) = Heat Input Capacity (MMBtu/hr) * (8760 hrs/yr) * (1 MMCF/1000 MMBtu)

Potential Emissions (tons/yr) = Potential Throughput (MMCF/yr) * Emission Factor (lbs/10⁶ scf) * (1 ton/2000 lbs)

Emission Factors are from US EPA's AP 42, Chapter 1.4, Tables 1.4-1 and 1.4-2.

The five highest of both organic and metal HAPs emission factors (from US EPA's AP 42, Chapter 1.4, Tables 1.4-2, 1.4-3, and 1.4-4) are provided; additional HAPs emission factors are available in AP 42, Chapter 1.4.

Company Name: Pioneer Hi-Bred International, Inc.
 Address: 3258 West US Highway 52, Rushville, IN 46173
 Permit No.: M139-28892-00009
 Reviewer: Calculations submitted by Pioneer Hi-Bred International, Inc. & reviewed by Meredith W. Jones
 Date: 3/3/10

****Fugitive Dust Emissions: Unpaved Roads****

The following calculations determine the amount of emissions created by vehicular traffic on unpaved roads, based on 8,760 hours of use and AP 42, Ch 13.2.2 (11/2006).

Maximum Total Annual Grain Received (corn and wheat) = tons/yr

Process	Vehicle Type	Maximum Weight of Vehicle (tons)	Maximum Weight of Load (tons)	Maximum Weight of Vehicle and Load (tons/trip)	Maximum trips per year (trips/yr)	Total Weight driven per year (tons/yr)	Maximum one-way distance (ft/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (mi/yr)
Receiving Truck to Scale (full)	Grain truck (650 bushel)	17.5	22.5	40.0	3,118	124,724	991	0.19	585
Receiving Truck from Scale (empty)	Grain truck (650 bushel)	17.5	0	17.5	3,118	54,567	991	0.19	585
Total					6,236	179,290			1,170

Average Vehicle Weight Per Trip = tons/trip
 Average Miles Per Trip = mi/trip

Unmitigated Emission Factor, $E_f = k \cdot [(s/12)^a] \cdot [(W/3)^b]$ (Equation 1a from AP42, Chapter 13.2.2)

	PM	PM ₁₀	PM _{2.5}	
where k =	4.9	1.5	0.15	lb/mi (particle size multiplier- from AP 42, Table 13.2.2-2: Industrial Roads)
s =	6.4	6.4	6.4	% (mean % silt content of unpaved roads- from AP 42, Table 13.2.2-1: municipal solid waste landfills plant road)
a =	0.7	0.9	0.9	constant (from AP 42, Table 13.2.2-2)
W =	28.8	28.8	28.8	tons (average vehicle weight- provided by source)
b =	0.45	0.45	0.45	constant (from AP 42, Table 13.2.2-2)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor: $E_{ext} = E \cdot [(365 - P)/365]$
 Mitigated Emission Factor: $E_{ext} = E \cdot [(365 - P)/365]$
 where P = days of rain greater than or equal to 0.01 inches (see AP 42, Fig. 13.2.2-1)

	PM	PM ₁₀	PM _{2.5}	
Unmitigated Emission Factor: $E_f =$	8.73	2.36	0.24	lb/mi
Mitigated Emission Factor: $E_{ext} =$	5.74	1.55	0.15	lb/mi
Dust Control Efficiency =	80%	80%	80%	Speed Limit of 15 mph OEPA RACM Guide (Section 2.1.1)

Process	Vehicle Type	Unmitigated PTE (tons/yr)			Mitigated PTE (tons/yr)			Controlled PTE (tons/yr)		
		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}
Receiving Truck to Scale (full)	Grain truck (650 bushel)	2.55	0.69	0.07	1.68	0.45	0.05	0.34	0.09	0.01
Receiving Truck from Scale (empty)	Grain truck (650 bushel)	2.55	0.69	0.07	1.68	0.45	0.05	0.34	0.09	0.01
Total		5.11	1.38	0.14	3.36	0.91	0.09	0.67	0.18	0.02

Methodology

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

Abbreviations

PM = Particulate Matter
 PM₁₀ = Particulate Matter (<10 um)
 PM_{2.5} = Particulate Matter (<2.5 um)
 PTE = Potential to Emit

Company Name: Pioneer Hi-Bred International, Inc.
Address: 3258 West US Highway 52, Rushville, IN 46175
Permit No.: M139-28892-00009
Reviewer: Calculations submitted by Pioneer Hi-Bred International, Inc.
 & reviewed by Meredith W. Jones
Date: 3/3/10

****Fugitive Dust Emissions: Paved Roads****

The following calculations determine the amount of emissions created by vehicular traffic on paved roads, based on 8,760 hours of use and AP 42, Ch 13.2.1 (11/2006).

Maximum Annual Grain Received = tons/yr (corn and wheat)
 Maximum Annual Grain Shipped = tons/yr (corn and wheat)

Process	Vehicle Type	Maximum Weight of Vehicle (tons)	Maximum Weight of Load (tons)	Maximum Weight of Vehicle and Load (tons/trip)	Maximum trips per year (trips/yr)	Total Weight driven per year (tons/yr)	Maximum one-way distance (ft/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (mi/yr)
Receiving Truck to Scale (full)	Grain truck (650 bushel)	17.5	22.5	40.0	3,118	124,724	1,702	0.32	1005
Receiving Truck from Scale (empty)	Grain truck (650 bushel)	17.5	0	17.5	3,118	54,567	1,702	0.32	1005
Shipping Grain and Waste Truck Entering (empty)	Grain truck (650 bushel)	17.5	0	17.5	3,118	54,567	1,080	0.20	638
Shipping Grain and Waste Truck Leaving (full)	Grain truck (650 bushel)	17.5	22.5	40.0	3,118	124,724	1,080	0.20	638
Total					12,472	358,581			3,286

Average Vehicle Weight Per Trip = tons/trip
 Average Miles Per Trip = mi/trip

Unmitigated Emission Factor, $E_f = k \cdot (s/2)^{0.65} \cdot (W/3)^{1.5} - C$ (Equation 1 from AP 42 13.2.1)

	PM	PM ₁₀	PM _{2.5}	
where k =	8.20E-02	1.60E-02	2.40E-03	lb/mi (particle size multiplier (AP 42 Table 13.2.1-1 for Industrial Roads)
sL =	0.6	0.6	0.6	g/m ² (silt content for paved roads in non-winter months- from AP 42 Table 13.2.1-1)
C =	4.70E-04	4.70E-04	3.60E-04	lb/mi (factor for exhaust and brake and tire wear- from AP 42 Table 13.2.1-2)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor: $E_{ext} = E \cdot [1 - P/(4N)]$

where P = no. of days with rain greater than or equal to 0.01 inches (AP 42, Fig. 13.2.2-1)

	PM	PM ₁₀	PM _{2.5}	
Unmitigated Emission Factor: E_f =	1.11	0.22	0.03	lb/mi
Mitigated Emission Factor: E_{ext} =	1.02	0.20	0.03	lb/mi
Dust Control Efficiency	75%	75%	75%	Vacuum Sweeping OEPA RACM Guide (Table 2.1.1-3)

Process	Vehicle Type	Unmitigated PTE (tons/yr)			Mitigated PTE (tons/yr)			Controlled PTE (ton	
		PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀	PM _{2.5}	PM	PM ₁₀
Receiving Truck to Scale (full)	Grain truck (650 bushel)	0.56	0.11	0.02	0.51	0.10	0.01	0.13	0.02
Receiving Truck from Scale (empty)	Grain truck (650 bushel)	0.56	0.11	0.02	0.51	0.10	0.01	0.13	0.02
Shipping Grain and Waste Truck Entering (empty)	Grain truck (650 bushel)	0.35	0.07	0.01	0.32	0.06	0.01	0.08	0.02
Shipping Grain and Waste Truck Leaving (full)	Grain truck (650 bushel)	0.35	0.07	0.01	0.32	0.06	0.01	0.08	0.02
Totals		1.83	0.36	0.05	1.67	0.33	0.05	0.42	0.08

Methodology

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

Abbreviations

PM = Particulate Matter
 PM₁₀ = Particulate Matter (<10 um)
 PM_{2.5} = Particulate Matter (<2.5 um)
 PTE = Potential to Emit



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: Bill Taufman
Pioneer Hi-Bred International, inc
3258 W US Hwy 52
Rushville, IN 46173

DATE: July 30, 2010

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

SUBJECT: Final Decision
MSOP
139-28892-00009

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:
David Dempsey (Trinity Consultants)
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
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

July 30, 2010

TO: Rushville Public Library

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

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

Applicant Name: Pioneer Hi-Bred International, Inc
Permit Number: 139-28892-00009

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	MIDENNEY 7/30/2010 Pioneer Hi-Bred International Inc. 139-28892-00009 (final)		Type of Mail: CERTIFICATE OF MAILING ONLY	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		

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		Bill Taufmann Pioneer Hi-Bred International Inc. 3258 W US Hwy 52 Rushville IN 46173-3911 (Source CAATS) Via confirmed delivery										
2		Rush County Commissioners 101 East Second Street Rushville IN 46173 (Local Official)										
3		Rush County Health Department Courthouse, Room 5 Rushville IN 46173-1854 (Health Department)										
4		Rushville Public Library 130 W 3rd St Rushville IN 46173-1899 (Library)										
5		Rushville Town Council 133 W. First St. Rushville IN 46173 (Local Official)										
6		Mrs. Bonnie Miller P.O. Box 15 Falmouth IN 46127 (Affected Party)										
7		Mr. David Dempsey Trinity Consultants 201 N. Illinois St, 16th Flr. South Tower Indianapolis IN 46204 (Consultant)										
8		Harvest Land Co-Op 885 N. Henderson Road Rushville IN 46173 (Affected Party)										
9		Phil Liggett 2729 W US 52 Rushville IN 46173 (Affected Party)										
10		Dave Norris 110 N. Morgan Street Rushville IN 46173 (Affected Party)										
11		Estate of Norman Sweet - c/o Badell & Wilson, PC 110 N Perkins Street Rushville IN 46173 (Affected Party)										
12												
13												
14												
15												

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
10			