



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: September 29, 2008

RE: Monsato Company / 073-26973-00035

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

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires 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 from 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-AM.dot12/3/07



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

TO: John Sturges
Monsanto Company
P.O. Box 35, 15849 S. US HWY 231
Remington, IN 47977

DATE: September 29, 2008

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

SUBJECT: Final Decision
Administrative Amendment
073-26793-00035

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 Jordan (ERM)
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



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Federally Enforceable State Operating Permit OFFICE OF AIR QUALITY

Monsanto Company
15849 South U.S. Highway 231
Remington, Indiana 47977

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

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 FESOP under 326 IAC 2-8.

Operation Permit No.: 073-23632-00035	
Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: February 20, 2007 Expiration Date: February 20, 2012

First Significant Permit Revision No.: 073-24875-00035, issued on September 11, 2007

Second Significant Permit Revision No.: 073-25673-00035, issued on March 31, 2008

Third Significant Permit Revision No.: 073-26568-00035, issued on August 27, 2008

Administrative Amendment No.: 073-26973-00035	Pages Affected: Entire Permit
Issued by: Original signed by: Alfred C. Dumauval, Ph.D., Section Chief Permits Branch Office of Air Quality	Issuance Date: September 29, 2008 Expiration Date: February 20, 2012

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a stationary hybrid corn seed processing plant.

Source Address:	15849 South US Highway 231, Remington, IN 47977
Mailing Address:	P.O. Box 35, Remington, IN 47977
General Source Phone Number:	(219) 261-2122
SIC Code:	0723
County Location:	Jasper
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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

- (a) Two (2) receiving lines, identified as Corn Receiving #1 and Corn Receiving #2, consisting of two (2) huskers, identified as Husker 1 and Husker 2, which each consist of seven (7) husking beds, installed in 1976, modified in 1995 and 2007, and approved for modification in 2008, exhausting to general ventilation, capacity: 2,000 bushels (112,000 pounds) of ear corn per hour for each line and each husker.
- (b) Two (2) natural gas-fired bin dryers, identified as Dry 1 and Dry 2, exhausting to Stacks Dry 1 and Dry 2 installed in 1976, heat input capacity: sixty (60) million British thermal units per hour, each, and a dry rate of 20,238 bushels per batch (500 bushels (28,000 pounds) per hour, each).
- (c) One (1) bagging unit, identified as EU100, one (1) seed pack fill unit, identified as EU101, one (1) manual seed pack unit, identified as EU105, and one (1) bagging machine, identified as EU12, installed in 1994 and modified in 2005, equipped with a baghouse for particulate control, identified as Red Dust Collector, capacity: 134,400 pounds of seed corn per hour, total.
- (d) One (1) treater, identified as Treater #3, installed in 1994 and modified in 2005, equipped with a baghouse for particulate control, identified as Red Dust Collector, capacity: 500 bushels (28,000 pounds) of shelled corn per hour.
- (e) One (1) Rebagging Aspirator, identified as #13, installed in 1992 and modified in 2005, with a capacity of 114,800 pounds per hour, equipped with a baghouse for particulate control, identified as Red Dust Collector, capacity: 114,800 pounds of seed corn per hour.
- (f) One (1) seed corn debagger, identified as EU34, installed in 2002, exhausting to a baghouse, identified as Red Dust Collector, maximum throughput: 1,000 bushels (56,000 pounds) of seed corn per hour.

- (g) Sixty-nine (69) bulk storage bins, identified as B-1 through B-17, B-21 through B-40, and B-41 through B-72, installed in 1999 and 2007, throughput: 1,000 bushels (56,000 pounds) of shelled corn per hour. Storage bins B-1 through B-4 have a capacity of 11,000 bushels (770,000 pounds) each; storage bins B-5 through B-8 have a capacity of 15,000 bushels (1,050,000 pounds) each; storage bins B-9 through B-12 have a capacity of 11,000 bushels (770,000 pounds) each; storage bins B-13 through B-17 have a capacity of 4,600 bushels (322,000 pounds) each; storage bins B-21 through B-30 have a capacity of 5,000 bushels (350,000 pounds) each; and storage bins B-31 through B-40 have a capacity of 7,500 bushels (525,000 pounds) each; storage bins B-41 through B-56 have a capacity of 7,500 bushels (420,000 pounds), each, and storage bins B-57 through B-72 have a capacity of 5,000 bushels (280,000 pounds), each.
- (h) One (1) small lot bagging operation, installed in 2005, consisting of the CBT-100 treater, identified as EU102, an aspirator, identified as EU103, and bagging unit #2, identified as EU104, exhausting to a baghouse, identified as CE14, capacity: 3,550 bushels (198,800 pounds) per hour, total.
- (i) One (1) natural gas-fired bin dryer, identified as Dry 3, approved for construction in 2007, exhausting to Stack Dry 3, with a drying rate of 500 bushels (28,000 pounds) per hour and a heat input capacity of 160 million British thermal units per hour, equipped with eighteen (18) storage bins, identified as Dry 3 Bins, used for drying with a capacity of 2,000 bushels (152,000 pounds), each.
- (j) One (1) corn sheller, identified as Sheller #1, approved for construction in 2007, exhausting to a baghouse for particulate control, identified as CE15, capacity: 2,500 bushels (140,000 pounds) of corn per hour.
- (k) Two (2) corn handling lines, identified as Line 1 and Line 2, consisting of the following:
 - (1) Two (2) cleaners, identified as Cleaner Line 1 and Cleaner Line 2, approved for construction in 2007, exhausting to two (2) baghouses for particulate control, identified as White Dust Collector #1 and White Dust Collector #2, capacity: 500 bushels (28,000 pounds) of shelled corn per hour, each.
 - (2) Two (2) sorters, identified as Sorter Line 1 and Sorter Line 2, approved for construction in 2007, exhausting to two (2) baghouses for particulate control, identified as White Dust Collector #1 and White Dust Collector #2, capacity: 500 bushels (28,000 pounds) of shelled corn per hour, each.
 - (3) Two (2) sizers, identified as Sizer Line 1 and Sizer Line 2, approved for construction in 2007, exhausting to two (2) baghouses for particulate control, identified as White Dust Collector #1 and White Dust Collector #2, capacity: 500 bushels (28,000 pounds) of shelled corn per hour, each.
 - (4) Sixteen (16) gravity tables, identified as Gravity Tables Line 1 and Gravity Tables Line 2, approved for construction in 2007, equipped with sixteen (16) dust collectors for particulate control, identified as Gravity Table Dust Collectors #1 through #16, capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
 - (5) Twenty-four (24) storage bins, identified as Storage Bins Lines 1 and Storage Bins Line 2, approved for construction in 2007, throughput capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
- (l) Treating/packing machinery, consisting of the following:

- (1) Three (3) aspirators, identified as Aspirator #1 through #3, approved for construction in 2007, exhausting to a baghouse, identified as Red Dust Collector, capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
 - (2) Two (2) treaters, identified as Treater #1 and #2, approved for construction in 2007, exhausting to a baghouse, identified as Red Dust Collector, capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
 - (3) Twelve (12) storage bins, identified as Treating and Packing Storage Bins 1 through 12, approved for construction in 2007, capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
- (m) Two (2) corn receiving lines identified as Corn Receiving #3 and Corn Receiving #4, consisting of two (2) huskers, identified as Husker 3 and Husker 4, which each consist of seven (7) husking beds, approved for construction in 2007 and approved for modification in 2008, exhausting to general ventilation, capacity: 2,000 bushels (112,000 pounds) of ear corn per hour for each line and each husker.
 - (n) Two (2) natural gas-fired bin dryers identified as Dry 4 and Dry 5, approved for construction in 2007, exhausting to Stack Dry 4 and Stack Dry 5, with a drying rate of 500 bushels (28,000 pounds) per hour and a heat input capacity of 160 million British thermal units per hour, each equipped with eighteen (18) storage bins, identified as Dry 4 and Dry 5 Bins, used for drying with a capacity of 2,000 bushels (112,000 pounds), each.
 - (o) One (1) corn sheller, identified as Sheller #2, approved for construction in 2007, exhausting to a baghouse for particulate control, identified as CE15, capacity: 2,500 bushels (140,000 pounds) of corn per hour.
 - (p) Seventy-two (72) bulk storage bins, identified as B-73 through B-144, approved for construction in 2007, throughput: 2,000 bushels (112,000 pounds) of shelled corn per hour. Storage bins B-73 through B-108 have a capacity of 7,500 bushels (420,000 pounds), each, and storage bins B-109 through B-144 have a capacity of 5,000 bushels (280,000 pounds), each.
 - (q) One (1) natural gas-fired grain dryer, identified as Dry 6, approved for construction in 2008, exhausting to Stack Dry 6, with a drying rate of 500 bushels (28,000) per hour and a heat input capacity of 160 million British thermal units per hour, equipped with eighteen (18) storage bins, identified as Dry 6 Bins, used for drying with a capacity of 2,000 bushels (112,000 pounds), each.
 - (r) One (1) diesel fired generator, identified as Generator 1, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 1.
 - (s) One (1) diesel fired emergency generator, identified as Generator 2, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 2.
 - (t) One (1) diesel fired generator, identified as Generator 3, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 3.
 - (u) One (1) diesel fired generator, identified as Generator 4, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 4.

- (v) One (1) diesel fired emergency generator, identified as Generator 5, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 5.

Calculations indicate that the four (4) baghouses, identified as the Red Dust Collector, CE14, CE15, and CE34, do not have to be operated in order for the associated emission units to comply with applicable rules.

A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, with no boilers.
- (b) The following VOC and HAP storage containers:
 - (1) Storage tanks with capacity less than or equal to one thousand (1,000) and annual throughputs less than twelve thousand (12,000) gallons.
 - (2) Vessels storage the following: hydraulic oils, lubricating oils, machining oils, and machining fluids.
- (c) Paved and unpaved roads and parking lots with public access.

A.4 FESOP Applicability [326 IAC 2-8-2]

This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-8-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

-
- (a) This permit, F073-23632-00035, 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.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-8-6]

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

B.5 Severability [326 IAC 2-8-4(4)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]

-
- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)][326 IAC 2-8-5(a)(1)]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, 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 Branch, Office of Air Quality
100 North Senate Avenue
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Indianapolis, Indiana 46204-2251

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

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

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

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

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

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

The notification which shall be submitted by the Permittee does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
 - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
 - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may

require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
 - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
 - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

- (a) All terms and conditions of permits established prior to F073-23632-00035 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.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

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

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

The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination

[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

B.17 Permit Renewal [326 IAC 2-8-3(h)]

- (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 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-8-11.1]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-8-11.1.

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][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 FESOP 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.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

The application which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-8-4(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 Overall Source Limit [326 IAC 2-8] [326 IAC 2-2]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) not applicable.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) not applicable.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

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

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

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

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

Testing Requirements [326 IAC 2-8-4(3)]

C.9 Performance Testing [326 IAC 3-6]

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

Compliance Requirements [326 IAC 2-1.1-11]

C.10 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 2-8-4][326 IAC 2-8-5(a)(1)]

C.11 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]

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

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

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

The notification which shall be submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]

C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]

C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report shall cover the period commencing on the date of issuance of this permit 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.

Stratospheric Ozone Protection

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

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

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Corn Processing Facilities

- (a) Two (2) receiving lines, identified as Corn Receiving #1 and Corn Receiving #2, consisting of two (2) huskers, identified as Husker 1 and Husker 2, which each consist of seven (7) husking beds, installed in 1976, modified in 1995 and 2007, and approved for modification in 2008, exhausting to general ventilation, capacity: 2,000 bushels (112,000 pounds) of ear corn per hour for each line and each husker.
- (b) Two (2) natural gas-fired bin dryers, identified as Dry 1 and Dry 2, exhausting to Stacks Dry 1 and Dry 2 installed in 1976, heat input capacity: sixty (60) million British thermal units per hour, each, and a dry rate of 20,238 bushels per batch (500 bushels (28,000 pounds) per hour, each).
- (c) One (1) bagging unit, identified as EU100, one (1) seed pack fill unit, identified as EU101, one (1) manual seed pack unit, identified as EU105, and one (1) bagging machine, identified as EU12, installed in 1994 and modified in 2005, equipped with a baghouse for particulate control, identified as Red Dust Collector, capacity: 134,400 pounds of seed corn per hour, total.
- (d) One (1) treater, identified as Treater #3, installed in 1994 and modified in 2005, equipped with a baghouse for particulate control, identified as Red Dust Collector, capacity: 500 bushels (28,000 pounds) of shelled corn per hour.
- (e) One (1) Rebagging Aspirator, identified as #13, installed in 1992 and modified in 2005, with a capacity of 114,800 pounds per hour, equipped with a baghouse for particulate control, identified as Red Dust Collector, capacity: 114,800 pounds of seed corn per hour.
- (f) One (1) seed corn debagger, identified as EU34, installed in 2002, exhausting to a baghouse, identified as Red Dust Collector, maximum throughput: 1,000 bushels (56,000 pounds) of seed corn per hour.
- (g) Sixty-nine (69) bulk storage bins, identified as B-1 through B-17, B-21 through B-40, and B-41 through B-72, installed in 1999 and 2007, throughput: 1,000 bushels (56,000 pounds) of shelled corn per hour. Storage bins B-1 through B-4 have a capacity of 11,000 bushels (770,000 pounds) each; storage bins B-5 through B-8 have a capacity of 15,000 bushels (1,050,000 pounds) each; storage bins B-9 through B-12 have a capacity of 11,000 bushels (770,000 pounds) each; storage bins B-13 through B-17 have a capacity of 4,600 bushels (322,000 pounds) each; storage bins B-21 through B-30 have a capacity of 5,000 bushels (350,000 pounds) each; and storage bins B-31 through B-40 have a capacity of 7,500 bushels (525,000 pounds) each; storage bins B-41 through B-56 have a capacity of 7,500 bushels (420,000 pounds), each, and storage bins B-57 through B-72 have a capacity of 5,000 bushels (280,000 pounds), each.
- (h) One (1) small lot bagging operation, installed in 2005, consisting of the CBT-100 treater, identified as EU102, an aspirator, identified as EU103, and bagging unit #2, identified as EU104, exhausting to a baghouse, identified as CE14, capacity: 3,550 bushels (198,800 pounds) per hour, total.
- (i) One (1) natural gas-fired bin dryer, identified as Dry 3, approved for construction in 2007, exhausting to Stack Dry 3, with a drying rate of 500 bushels (28,000 pounds) per hour and a heat input capacity of 160 million British thermal units per hour, equipped with eighteen (18) storage bins, identified as Dry 3 Bins, used for drying with a capacity of 2,000 bushels (152,000 pounds), each.

- (j) One (1) corn sheller, identified as Sheller #1, approved for construction in 2007, exhausting to a baghouse for particulate control, identified as CE15, capacity: 2,500 bushels (140,000 pounds) of corn per hour.
- (k) Two (2) corn handling lines, identified as Line 1 and Line 2, consisting of the following:
 - (1) Two (2) cleaners, identified as Cleaner Line 1 and Cleaner Line 2, approved for construction in 2007, exhausting to two (2) baghouses for particulate control, identified as White Dust Collector #1 and White Dust Collector #2, capacity: 500 bushels (28,000 pounds) of shelled corn per hour, each.
 - (2) Two (2) sorters, identified as Sorter Line 1 and Sorter Line 2, approved for construction in 2007, exhausting to two (2) baghouses for particulate control, identified as White Dust Collector #1 and White Dust Collector #2, capacity: 500 bushels (28,000 pounds) of shelled corn per hour, each.
 - (3) Two (2) sizers, identified as Sizer Line 1 and Sizer Line 2, approved for construction in 2007, exhausting to two (2) baghouses for particulate control, identified as White Dust Collector #1 and White Dust Collector #2, capacity: 500 bushels (28,000 pounds) of shelled corn per hour, each.
 - (4) Sixteen (16) gravity tables, identified as Gravity Tables Line 1 and Gravity Tables Line 2, approved for construction in 2007, equipped with sixteen (16) dust collectors for particulate control, identified as Gravity Table Dust Collectors #1 through #16, capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
 - (5) Twenty-four (24) storage bins, identified as Storage Bins Lines 1 and Storage Bins Line 2, approved for construction in 2007, throughput capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
- (l) Treating/packing machinery, consisting of the following:
 - (1) Three (3) aspirators, identified as Aspirator #1 through #3, approved for construction in 2007, exhausting to a baghouse, identified as Red Dust Collector, capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
 - (2) Two (2) treaters, identified as Treater #1 and #2, approved for construction in 2007, exhausting to a baghouse, identified as Red Dust Collector, capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
 - (3) Twelve (12) storage bins, identified as Treating and Packing Storage Bins 1 through 12, approved for construction in 2007, capacity: 1,000 bushels (56,000 pounds) of shelled corn per hour, total.
- (m) Two (2) corn receiving lines identified as Corn Receiving #3 and Corn Receiving #4, consisting of two (2) huskers, identified as Husker 3 and Husker 4, which each consist of seven (7) husking beds, approved for construction in 2007 and approved for modification in 2008, exhausting to general ventilation, capacity: 2,000 bushels (112,000 pounds) of ear corn per hour for each line and each husker.
- (n) Two (2) natural gas-fired bin dryers identified as Dry 4 and Dry 5, approved for construction in 2007, exhausting to Stack Dry 4 and Stack Dry 5, with a drying rate of 500 bushels (28,000 pounds) per hour and a heat input capacity of 160 million British thermal units per hour, each equipped with eighteen (18) storage bins, identified as Dry 4 and Dry 5 Bins, used for drying with a capacity of 2,000 bushels (112,000 pounds), each.

- (o) One (1) corn sheller, identified as Sheller #2, approved for construction in 2007, exhausting to a baghouse for particulate control, identified as CE15, capacity: 2,500 bushels (140,000 pounds) of corn per hour.
- (p) Seventy-two (72) bulk storage bins, identified as B-73 through B-144, approved for construction in 2007, exhausting to a baghouse for particulate control, identified as CE 34, throughput: 2,000 bushels (112,000 pounds) of shelled corn per hour. Storage bins B-73 through B-108 have a capacity of 7,500 bushels (420,000 pounds), each, and storage bins B-109 through B-144 have a capacity of 5,000 bushels (280,000 pounds), each.
- (q) One (1) natural gas-fired grain dryer, identified as Dry 6, approved for construction in 2008, exhausting to Stack Dry 6, with a drying rate of 500 bushels (28,000) per hour and a heat input capacity of 160 million British thermal units per hour, equipped with eighteen (18) storage bins, identified as Dry 6 Bins, used for drying with a capacity of 2,000 bushels (112,000 pounds), each.
- (r) One (1) diesel fired generator, identified as Generator 1, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 1.
- (s) One (1) diesel fired emergency generator, identified as Generator 2, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 2.
- (t) One (1) diesel fired generator, identified as Generator 3, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 3.
- (u) One (1) diesel fired generator, identified as Generator 4, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 4.
- (v) One (1) diesel fired emergency generator, identified as Generator 5, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 5.

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

The construction conditions in this section of the permit are being issued under the provisions of 326 IAC 2-1 and 326 IAC 2-7-10.5, with conditions listed below, for the new emissions units described in (m) and (p) above.

Construction Conditions

General Construction Conditions

D.1.1 Permit No Defense

This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

D.1.2 Effective Date of the Permit [IC13-15-5-3]

Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.

D.1.3 Modification to Construction Conditions [326 IAC 2]

All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for modifications pursuant to 326 IAC 2.

Operation Conditions

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.4 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the following emission units and control devices shall not exceed the pounds per hour limitation when operating at the stated process weight rates calculated using the following equations:

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/Control	Process weight rate (tons per hour)	Allowable particulate emission rate (pounds per hour)
Corn Receiving 1, 2, 3, and 4 (none)	56.0, each	45.6, each
Huskers 1, 2, 3, and 4, part of Corn Receiving 1, 2, 3, and 4 (none)	56.0, each	45.6, each
Six (6) natural gas-fired bin dryers, identified as Dry 1 (Stack Dry 1), Dry 2 (Stack Dry 2), Dry 3 (Stack Dry 3), Dry 4 (Stack Dry 4), Dry 5 (Stack Dry 5), and Dry 6 (Stack Dry 6) (none)	14.0, each	24.0,each
One (1) debagger, identified as EU34 (Baghouse Red Dust Collector)	28.0	38.2
One (1) Corn Sheller, identified as Sheller 1 (Baghouse CE15)	70.0	47.8
One (1) Corn Sheller, identified as Sheller 2 (Baghouse CE15)	70.0	47.8
One (1) rebagging unit, identified as #13 (Baghouse Red Dust Collector)	57.4	45.9

Emission Unit/Control	Process weight rate (tons per hour)	Allowable particulate emission rate (pounds per hour)
One small lot bagging operation, consisting of EU102 through EU104 (Baghouse CE14)	99.4	51.2
Treating/Packing Machinery, consisting of the following emission units:		
Aspirators #1 through #3 (Baghouse Red Dust Collector)	28.0	38.2
Treaters #1 through #3 (Baghouse Red Dust Collector)	42.0	42.96
One (1) bagging unit, identified as EU100, one (1) seed pack fill unit, identified as EU101, one (1) manual seed pack unit, identified as EU105, and one (1) bagging machine, identified as EU12 (Baghouse Red Dust Collector)	67.2	47.4
Twelve (12) Storage Bins, identified as Treating and Packing Storage Bins 1 through 12 (Baghouse Red Dust Collector)	28.0	38.2
Two (2) Corn Handling Lines, identified as Lines 1 and 2, consisting of the following:		
Sixty-Nine (69) Bulk Storage Bins, identified as B-1 through B-17 and B-21 through B-72 (none)	28.0	38.2
Seventy-Two (72) Bulk Storage Bins, identified as B-73 through B-144 (none)	56.0	45.64
Cleaners, Lines 1 and 2 (White Dust Collector #1 and #2)	28.0	38.2
Eight (8) Gravity Tables, Line 1 (Gravity Table Dust Collectors #1 through #8)	1.75, each	5.97, each
Eight (8) Gravity Tables, Line 2 (Gravity Table Dust Collectors #9 through #16)	1.75, each	5.97, each
Sorters, Lines 1 and 2 (White Dust Collector #1 and #2)	28.0	38.2
Sizers, Lines 1 and 2 (White Dust Collector #1 and #2)	28.0	38.2

In addition, several of the emission units exhaust through the same baghouse or stack. The allowable particulate pursuant to 326 IAC 6-3-2 has been tabulated by stack/exhaust and baghouse as follows:

Stack # or Exhaust	Emission Unit	Process Weight (tons per hour)	PM Emission Rate (pounds per hour)
Red Dust Collector	EU 34	Subtotal of 28.0	38.2
	EU 100 EU 101 EU 105 EU12	Subtotal of 67.2	47.4
	Aspirators #1 - #3	Subtotal of 28.0	38.2
	Treaters #1- #3	Subtotal of 42.0	42.96
	Treating and Packing Storage Bins 1 through 12	Subtotal of 28.0	38.2
			Total: 204.96
Baghouse CE14	EU102 EU103 EU104	99.4	51.2
Baghouse CE15	Sheller 1 Sheller 2	140	54.72
White Dust Collector #1	Sorter, Line 1	14.0	24.0
	Cleaner, Line 1	14.0	24.0
	Sizer, Line 1	14.0	24.0
			Total: 72.0
White Dust Collector #2	Sorter, Line 2	14.0	24.0
	Cleaner, Line 2	14.0	24.0
	Sizer, Line 2	14.0	24.0
			Total: 72.0

D.1.5 Particulate Matter (PM) [326 IAC 2-2]

The PM emissions from the four (4) corn receiving lines, identified as Corn Receiving 1, 2, 3, and 4, four (4) huskers, identified as Husker 1, 2, 3, and 4, six (6) natural gas-fired bin dryers, identified as Dry 1, 2, 3, 4, 5, and 6 (grain drying), two (2) cleaners, identified as Cleaners Lines 1 and 2, the two (2) sorters, identified as Sorters Lines 1 and 2, the two (2) sizers, identified as Sizers Lines 1 and 2, and the sixteen (16) gravity tables, identified as Gravity Tables Lines 1 and 2, which are all part of the two (2) corn handling lines, identified as Lines 1 and 2, the one (1) bagging unit, identified as EU100, the one (1) seed pack fill unit, identified as EU101, the one (1) manual seed pack unit, identified as EU105, the one (1) bagging machine, identified as EU12, and the one (1) small lot bagging operation, consisting of EU102 through EU104, shall be limited to less than the throughput and emission limits specified in the following table:

Emission Units (Baghouse)	Limited Corn Throughput (tons/yr*)	PM Emission Limit (lbs PM/ton corn)
Corn Receiving 1, 2, 3, and 4	245,280, total	0.035
Huskers 1, 2, 3, and 4	245,280, total	0.061
Dry 1, 2, 3, 4, 5, and 6 (grain)	245,280, total	0.47
Line 1: Cleaner, Sorter, Sizer (White Dust Collector #1)	61,320, total	0.062
Line 2: Cleaner, Sorter, and Sizer (White Dust Collector #2)	61,320, total	0.062
Line 1: Eight (8) Gravity Tables (Gravity Table Dust Collectors #1 through #8)	61,320, total	0.269
Line 2: Eight (8) Gravity Tables (Gravity Table Dust Collectors #9 through #16)	61,320, total	0.269
One (1) bagging unit, identified as EU100, one (1) seed pack fill unit, identified as EU101, one (1) manual seed pack unit, identified as EU105, and one (1) bagging machine, identified as EU12 (Red Dust Collector)	294,336, total	0.061
One (1) small lot bagging operation, consisting of EU102 through EU104 (CE14)	744,600, total	0.061

*Note that "yr" represents twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit PM from all other emission units at this source, shall limit the source-wide total potential to emit of PM to less than 250 tons per 12 consecutive month period and shall render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.1.6 Particulate Matter (PM₁₀) [326 IAC 2-8-4]

The PM₁₀ emissions from the four (4) corn receiving lines, identified as corn receiving 1, 2, 3, and 4, four (4) huskers, identified as Husker 1, 2, 3, and 4, six (6) natural gas-fired bin dryers, identified as Dry 1, 2, 3, 4, 5, and 6 (grain drying), two (2) cleaners, identified as Cleaners Lines 1 and 2, the two (2) sorters, identified as Sorters Lines 1 and 2, the two (2) sizers, identified as Sizers Lines 1 and 2, and the sixteen (16) gravity tables, identified as Gravity Tables Lines 1 and 2, which are all part of the two (2) corn handling lines, identified as Lines 1 and 2, the one (1) bagging unit, identified as EU100, the one (1) seed pack fill unit, identified as EU101, the one (1) manual seed pack unit, identified as EU105, the one (1) bagging machine, identified as EU12, and the one (1) small lot bagging operation, consisting of EU102 through EU104, shall be limited to less than the throughput and emission limits specified in the following table:

Emission Units (Baghouse)	Limited Corn Throughput (tons/yr*)	PM₁₀ Emission Limit (lbs PM₁₀/ton corn)
Corn Receiving 1, 2, 3, and 4	245,280, total	0.0078
Huskers 1, 2, 3, and 4	245,280, total	0.034
Dry 1, 2, 3, 4, 5, and 6 (grain)	245,280, total	0.12
Line 1: Cleaner, Sorter, Sizer (White Dust Collector #1)	61,320, total	0.062
Line 2: Cleaner, Sorter, and Sizer (White Dust Collector #2)	61,320, total	0.062
Line 1: Eight (8) Gravity Tables (Gravity Table Dust Collectors #1 through #8)	61,320, total	0.269
Line 2: Eight (8) Gravity Tables (Gravity Table Dust Collectors #9 through #16)	61,320, total	0.269
One (1) bagging unit, identified as EU100, one (1) seed pack fill unit, identified as EU101, one (1) manual seed pack unit, identified as EU105, and one (1) bagging machine, identified as EU12 (Red Dust Collector)	294,336, total	0.034
One (1) small lot bagging operation, consisting of EU102 through EU104 (CE14)	744,600, total	0.034

*Note that "yr" represents twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with these limits, combined with the potential to emit PM10 from all other emission units at this source, shall limit the source-wide total potential to emit of PM10 to less than 100 tons per 12 consecutive month period, and shall render 326 IAC 2-7 (Part 70 Permits) not applicable.

D.1.7 Fuel Usage Limitations [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 7]

- (a) The natural gas usage at the six (6) natural gas-fired bin dryers, identified as Dry 1, Dry 2, Dry 3, Dry 4, Dry 5, and Dry 6 shall be less than 1,126.9 million cubic feet of gas per twelve (12) consecutive month period, total, with compliance determined at the end of each month. As a result of the natural gas limit:
- (1) NO_x from the six (6) natural gas-fired bin dryers, identified as Dry 1, Dry 2, Dry 3, Dry 4, Dry 5, and Dry 6 shall be limited to 100 pounds of NO_x per million cubic feet of gas, total (equivalent to 5.7 pounds of NO_x per hour for Dry 1 and Dry 2, each, and 15.7 pounds of NO_x per hour for Dry 3, Dry 4, Dry 5, and Dry 6, each).
 - (2) CO from the six (6) natural gas-fired bin dryers, identified as Dry 1, Dry 2, Dry 3, Dry 4, Dry 5, and Dry 6 shall be limited to 84 pounds of CO per million cubic feet of gas, total.

- (b) The total diesel usage at the generators, identified as Generator 1, Generator 2, Generator 3, Generator 4 and Generator 5 shall not exceed 150,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. As a result of the diesel limit:
- (1) NO_x from the generators, identified as Generator 1, Generator 2, Generator 3, Generator 4 and Generator 5 shall be limited to 0.0240 pounds of NO_x per horsepower hour.
 - (2) CO from the generators, identified as Generator 1, Generator 2, Generator 3, Generator 4 and Generator 5 shall be limited to 0.0055 pounds of CO per horsepower hour.

Compliance with these limits, combined with the potential to emit NO_x and CO from all other emission units at this source, shall limit the source-wide total potential to emit of NO_x and CO to less than 100 tons per 12 consecutive month period, each, and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (PSD) not applicable. In addition, compliance with Condition D.1.7(b) will also render 326 IAC 7 (Sulfur Dioxide Emission Limitations) not applicable to Generator 1, Generator 3 and Generator 4.

D.1.8 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

- (a) The VOC usage at each of the three (3) treaters, identified as Treaters #1 through #3, shall be limited to less than twenty-five (25.0) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (b) The VOC emissions at the treater identified as CBT-100 shall be limited to less than fifteen (15.0) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
- (c) Compliance with these limits shall render the requirements of 326 IAC 8-1-6 not applicable.

D.1.9 Preventive Maintenance Plan [326 IAC 1-6-3]

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

Compliance Determination Requirements

D.1.10 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

Within 180 days after startup of the two (2) corn handling lines, identified as Lines 1 and 2, to demonstrate compliance with Condition D.1.1, D.1.2 and D.1.3, the Permittee shall perform PM and PM₁₀ testing for the two (2) cleaners, identified as Cleaners Lines 1 and 2, the two (2) sorters, identified as Sorters Lines 1 and 2, and the two (2) sizers, identified as Sizers Lines 1 and 2, all exhausting to two (2) baghouses, identified as White Dust Collector #1 and #2; and four (4) of the sixteen (16) gravity tables, identified as Gravity Tables Lines 1 and 2, exhausting to sixteen (16) baghouses, identified as Gravity Table Dust Collectors #1 - #8 and Gravity Table Dust Collectors #9 - #16, utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five years from the date of the most recent valid compliance demonstration. PM₁₀ includes filterable and condensable PM₁₀. Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.11 Particulate Control

- (a) In order to comply with Conditions D.1.2 and D.1.3, the baghouses, identified as White Dust Collectors #1 and #2, Gravity Table Dust Collectors #1 through #16, for particulate control shall be in operation and control emissions from the two (2) cleaners, identified as

Cleaners Lines 1 and 2, the two (2) sorters, identified as Sorters Lines 1 and 2, and the two (2) sizers, identified as Sizers Lines 1 and 2, the sixteen (16) gravity tables, identified as Gravity Tables Lines 1 and 2, and at all times that the emission units 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.

Compliance Monitoring Requirements

D.1.12 Visible Emissions Notations

- (a) Visible emission notations of the White Dust Collector #1 and #2, Gravity Table Dust Collectors #1 through #16, Gen 1, Gen 3, and Gen 4 exhausts shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.13 Baghouse Parametric Monitoring

- (a) The Permittee shall record the pressure drop across the baghouses, identified as White Dust Collectors #1 and #2 and Gravity Table Dust Collectors #1 through #16, used in conjunction with the two (2) cleaners, identified as Cleaners Lines 1 and 2, the two (2) sorters, identified as Sorters Lines 1 and 2, the two (2) sizers, identified as Sizers Lines 1 and 2, and the sixteen (16) gravity tables, identified as Gravity Tables Lines 1 and 2, all part of the two (2) Corn Handling Lines, identified as Lines 1 and 2, at least once per day when either of the two (2) corn handling lines is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (b) The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated at least once every six (6) months.

D.1.14 Broken or Failed Bag Detection

- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]

D.1.15 Record Keeping Requirements

- (a) To document compliance with Condition D.1.7, the Permittee shall maintain records of the amount of natural gas used per month at the six (6) natural gas-fired bin dryers, identified as Dry 1, Dry 2, Dry 3, Dry 4, Dry 5, and Dry 6 and the amount of diesel used at Generator 1, Generator 2, Generator 3, Generator 4 and Generator 5.
- (b) To document compliance with Conditions D.1.5 and D.1.6, the Permittee shall maintain records of the monthly corn throughput at the four (4) corn receiving lines, identified as Corn Receiving 1, 2, 3, and 4, four (4) huskers, identified as Husker 1, 2, 3, and 4, six (6) natural gas-fired bin dryers, identified as Dry 1, 2, 3, 4, 5, and 6 (grain drying), two (2) cleaners, identified as Cleaners Lines 1 and 2, the two (2) sorters, identified as Sorters Lines 1 and 2, the two (2) sizers, identified as Sizers Lines 1 and 2, and the sixteen (16) gravity tables, identified as Gravity Tables Lines 1 and 2, all part of the two (2) Corn Handling Lines, identified as Lines 1 and 2, the one (1) bagging unit, identified as EU100, the one (1) seed pack fill unit, identified as EU101, the one (1) manual seed pack unit, identified as EU105, the one (1) bagging machine, identified as EU12, and the one (1) small lot bagging operation, consisting of EU102 through EU104.
- (c) To document compliance with Condition D.1.8, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.8. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
 - (1) The VOC content of each coating material and solvent used.
 - (2) The amount of coating material and solvent less water used on a monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
 - (3) The cleanup solvent usage for each month;

- (4) The total VOC usage for each month; and
- (5) The weight of VOCs emitted for each compliance period.
- (d) To document compliance with Condition D.1.12, the Permittee shall maintain daily records of visible emission notations of each of the two (2) cleaners, identified as Cleaners Lines 1 and 2, the two (2) sorters, identified as Sorters Lines 1 and 2, and the two (2) sizers, identified as Sizers Lines 1 and 2, and the sixteen (16) gravity tables, identified as Gravity Tables Lines 1 and 2, exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the process did not operate that day).
- (e) To document compliance with Condition D.1.13, the Permittee shall maintain daily records of the pressure drop across the baghouses identified as White Dust Collectors #1 and #2 and Gravity Table Dust Collectors #1 through #16. 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).
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.16 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.5 through D.1.8 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Corn Processing Facilities

- (r) One (1) diesel fired generator, identified as Generator 1, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 1.
- (s) One (1) diesel fired emergency generator, identified as Generator 2, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 2.
- (t) One (1) diesel fired generator, identified as Generator 3, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 3.
- (u) One (1) diesel fired generator, identified as Generator 4, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 4.
- (v) One (1) diesel fired emergency generator, identified as Generator 5, approved for construction in 2008, with a maximum capacity of 1,500 KW (2000 hp), and exhausting to stack Gen 5.

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

New Source Performance Standards (NSPS) Requirements [326 IAC 2-8-4(1)]

E.1.1 General Provisions Relating to New Source Performance Standards Under 40 CFR Part 60 [326 IAC 12-1] [40 CFR Part 60, Subpart A]

- (a) The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1-1, apply to Generator 1, Generator 2, Generator 3, Generator 4 and Generator 5 except when otherwise specified in 40 CFR Part 60, Subpart IIII.
- (b) Pursuant to 40 CFR 60.7, the Permittee shall submit all of the required notifications and reports to:

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

E.1.2 New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines [40 CFR Part 60, Subpart IIII] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart IIII, the Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart IIII (included as Attachment A), which are incorporated by reference as 326 IAC 12, for Generator 1, Generator 2, Generator 3, Generator 4 and Generator 5:

- (1) 40 CFR 60.4200
- (2) 40 CFR 60.4204(b)
- (3) 40 CFR 60.4205(b)
- (4) 40 CFR 60.4206
- (5) 40 CFR 60.4207(a) and (c)
- (6) 40 CFR 60.4209
- (7) 40 CFR 60.4211(a) and (c)
- (8) 40 CFR 60.4218
- (9) 40 CFR 60.4219

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
CERTIFICATION**

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231 Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035

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

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) _____

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT**

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facility: One (1) treater, identified as Treater #1
Parameter: VOC usage
Limit: Less than twenty-five (25.0) tons per twelve consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____
Title/Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facility: One (1) treater, identified as Treater #2
Parameter: VOC usage
Limit: Less than twenty-five (25.0) tons per twelve consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facility: One (1) treater, identified as Treater #3
Parameter: VOC usage
Limit: Less than twenty-five (25.0) tons per twelve consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facility: One (1) treater, identified as Treater CBT-100
Parameter: VOC usage
Limit: Less than fifteen (15.0) tons per twelve consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facility: Six (6) natural gas-fired bin dryers, identified as Dry 1, Dry 2, Dry 3, Dry 4, Dry 5, and Dry 6
Parameter: Natural gas usage
Limit: Less than 1,126.9 million cubic feet (mmCF) of natural gas per twelve (12) consecutive month period, total, with compliance determined at the end of each month.

YEAR: _____

Month	Natural Gas Usage (mmCF)	Natural Gas Usage (mmCF)	Natural Gas Usage (mmCF)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
 Source Address: 15489 South US Highway 231, Remington, Indiana 47977
 Mailing Address: P.O. Box 35, Remington, Indiana 47977
 FESOP No.: F073-23632-00035
 Facility: Generator 1, Generator 2, Generator 3, Generator 4 and Generator 5
 Parameter: Total Diesel fuel usage
 Limit: The total diesel usage at the generators, identified as Generator 1, Generator 2, Generator 3, Generator 4 and Generator 5 shall not exceed 150,000 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Diesel Fuel Usage (gallons)	Diesel Fuel Usage (gallons)	Diesel Fuel Usage (gallons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
 Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facilities: Cleaners, Sorters, Sizers, Line 1
Parameter: Corn Throughput
Limit: Less than 61,320 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Corn Throughput (tons)	Corn Throughput (tons)	Corn Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facilities: Cleaners, Sorters, Sizers, Line 2
Parameter: Corn Throughput
Limit: Less than 61,320 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Corn Throughput (tons)	Corn Throughput (tons)	Corn Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facilities: Gravity Tables, Line 1
Parameter: Corn Throughput
Limit: Less than 61,320 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Corn Throughput (tons)	Corn Throughput (tons)	Corn Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facilities: Gravity Tables, Line 2
Parameter: Corn Throughput
Limit: Less than 61,320 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Corn Throughput (tons)	Corn Throughput (tons)	Corn Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facilities: One (1) bagging unit, identified as EU100, one (1) seed pack fill unit, identified as EU101, one (1) manual seed pack unit, identified as EU105, and one (1) bagging machine, identified as EU12
Parameter: Corn Throughput
Limit: Less than 294,336 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Corn Throughput (tons)	Corn Throughput (tons)	Corn Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facilities: One (1) small lot bagging operation, consisting of EU102 through EU104.
Parameter: Corn Throughput
Limit: Less than 744,600 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Corn Throughput (tons)	Corn Throughput (tons)	Corn Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facilities: Four (4) Receiving Lines, identified as Corn Receiving #1, Corn Receiving #2, Corn Receiving #3, and Corn Receiving #4
Parameter: Corn Throughput
Limit: Less than 245,280 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Corn Throughput (tons)	Corn Throughput (tons)	Corn Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facilities: Four (4) Huskers, identified as Husker 1, Husker 2, Husker 3, and Husker 4
Parameter: Corn Throughput
Limit: Less than 245,280 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Corn Throughput (tons)	Corn Throughput (tons)	Corn Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

FESOP Quarterly Report

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035
Facilities: Six (6) natural gas-fired bin dryers, identified as Dry 1, Dry 2, Dry 3, Dry 4, Dry 5, and Dry 6
Parameter: Corn Throughput
Limit: Less than 245,280 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Corn Throughput (tons)	Corn Throughput (tons)	Corn Throughput (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on _____

Submitted by: _____
Title/Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Monsanto Company
Source Address: 15489 South US Highway 231, Remington, Indiana 47977
Mailing Address: P.O. Box 35, Remington, Indiana 47977
FESOP No.: F073-23632-00035

Months: _____ to _____ Year: _____

Page 1 of 2

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

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Attach a certification to complete this report.

**Appendix A: Emission Summary
Potential to Emit (tons/yr) of all Generators**

Company Name: Monsanto Company

Address: 15849 South U.S. Highway 231, Remington, Indiana 47977

Significant Permit Revision #: 073-26973-00035

Reviewer: Sarah Conner

Date: 9/17/2008

Unlimited Potential to Emit

Process/ Emission Unit	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Propylene	Benzene	Toluene	Xylenes	Form- aldehyde	Total HAP's
Generator 1, 3 and 4	18.40	10.54	10.23	106.30	630.72	18.53	144.54	0.51	0.14	0.05	0.04	0.01	0.76
Generator 2 and 5	0.70	0.40	0.39	4.05	24.00	0.71	5.50	0.02	0.01	0.00	0.00	0.00	0.03
Total	19.10	10.94	10.62	110.35	654.72	19.23	150.04	0.53	0.15	0.05	0.04	0.02	0.79

Limited Potential to Emit

Process/ Emission Unit	PM	PM10	PM2.5	SO2	NOx	VOC	CO	Propylene	Benzene	Toluene	Xylenes	Form- aldehyde	Total HAP's
Generator 1, 2, 3, 4 and 5	1.03	0.59	0.39	5.94	35.23	1.03	8.07	0.03	0.01	0.00	0.00	0.00	0.04
Total	1.03	0.59	0.39	5.94	35.23	1.03	8.07	0.03	0.01	0.00	0.00	0.00	0.04

Source has agreed to a limit of 150,000 gallons/year for all generators.

**Appendix A: Emissions Calculations
Generator 1,3 and 4**

Source Name: Monsanto Company
Source Address: 15849 South U.S. Highway 231, Remington, Indiana 47977
Permit Number: 073-26973-00035
Reviewer: Sarah Conner
Date: 9/17/2008

Capacity in hp
2,000.00 per generator

SO2 Emission factor = 8.09 E-03 x S
 S = % Sulfur Content =

0.50

Capacity in hp
6000.00 for all three generators

Emission Factor in lb/hp-hr	Pollutant						
	PM*	PM10*	PM2.5*	SO2	**Nox	VOC **TOC value	CO
	7.000E-04	4.011E-04	3.89E-04	4.045E-03	2.400E-02	7.050E-04	5.500E-03
Potential Emission in tons/yr	18.40	10.54	10.23	106.30	630.72	18.53	144.54

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined. PM2.5 is also filterable and condensable PM2.5 combined.
 **The VOC value given is total organic compounds (TOC).

Methodology

MMBtu = 1,000,000 Btu
 Emission Factors are from AP 42, Chapter 3.4, Tables 3.4-1 and 3.4-2, SCC # 2-02-004-01, Oct, 1996
 PM10 emission factor converted from value in Table 3.4-2 using the following method:
 0.0573 lb/MMBtu x 1 MMBtu/1,000,000 Btu x 7000 Btu/hp-hr = 4.011 E-04
 0.0556 lb/MMBtu x 1 MMBtu/1,000,000 Btu x 7000 Btu/hp-hr = 3.892 E-04
 Conversion factor of 7,000Btu/hp-hr taken from AP-42, Table 3.4-1.
 Emission (tons/yr) = Hp x Emission Factor (lb/hp-hr)/2,000 lb/ton x 8760 hrs/year.

See the following page for HAPs emissions calculations.

HAPs Emissions

Source Name: Monsanto Company
Source Address: 15849 South U.S. Highway 231, Remington, Indiana 47977
Permit Number: 073-26973-00035
Reviewer: Sarah Conner
Date: 9/17/2008

HAPs - Organics						
Emission Factor in lb/hp-hr	Propylene 1.953E-05	Benzene 5.432E-06	Toluene 1.967E-06	Xylenes 1.351E-06	Formaldehyde 5.520E-07	Total
Potential Emission in tons/yr	0.51	0.14	0.05	0.04	0.01	0.76

Methodology is the same as page 2.
The five highest organic HAPs emission factors are provided above.
Emission Factors are from AP 42, Chapter 3.4, Table 3.4-3 SCC # 2-02-004-01, October, 96.

**Appendix A: Emissions Calculations
Generator 2**

Source Name: Monsanto Company
Source Address: 15849 South U.S. Highway 231, Remington, Indiana 47977
Permit Number: 073-26973-00035
Reviewer: Sarah Conner
Date: 9/17/2008

Capacity in hp
 2000.00 per generator

SO2 Emission factor = 8.09 E-03 x S
 S = % Sulfur Content = 0.50

Capacity in hp
 4000.00 for two generators

Emission Factor in lb/hp-hr	Pollutant						
	PM*	PM10*	PM2.5*	SO2	**Nox	VOC **TOC value	CO
	7.000E-04	4.011E-04	3.89E-04	4.045E-03	2.400E-02	7.050E-04	5.500E-03
Potential Emission in tons/yr	0.70	0.40	0.39	4.05	24.00	0.71	5.50

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined. PM2.5 is also filterable and condensable PM2.5 combined.
 **The VOC value given is total organic compounds (TOC).

Methodology

MMBtu = 1,000,000 Btu

Emission Factors are from AP 42, Chapter 3.4, Tables 3.4-1 and 3.4-2, SCC # 2-02-004-01, Oct, 1996

PM10 emission factor converted from value in Table 3.4-2 using the following method:

0.0573 lb/MMBtu x 1 MMBtu/1,000,000 Btu x 7000 Btu/hp-hr = 4.011 E-04

0.0556 lb/MMBtu x 1 MMBtu/1,000,000 Btu x 7000 Btu/hp-hr = 3.892 E-04

Conversion factor of 7,000Btu/hp-hr taken from AP-42, Table 3.4-1.

Emission (tons/yr) = Hp x Emission Factor (lb/hp-hr)/2,000 lb/ton x 500 hrs/yr. Generator 2 is an emergency generator. Therefore, only 500 hours of the year are used for this calculation.

See the following page for HAPs emissions calculations.

HAPs Emissions

Source Name: Monsanto Company
Source Address: 15849 South U.S. Highway 231, Remington, Indiana 47977
Permit Number: 073-26973-00035
Reviewer: Sarah Conner
Date: 9/17/2008

HAPs - Organics						
Emission Factor in lb/MMBtu	Propylene 1.953E-05	Benzene 5.432E-06	Toluene 1.967E-06	Xylenes 1.351E-06	Formaldehyde 5.520E-07	Total
Potential Emission in tons/yr	0.02	0.01	0.00	0.00	0.00	0.03

Methodology is the same as page 4.
The five highest organic HAPs emission factors are provided above.
Emission Factors are from AP 42, Chapter 3.4, Table 3.4-3 SCC # 2-02-004-01, October, 1996

**Appendix A: Emissions Calculations
Generators 1, 2, 3, 4 and 5 Limited**

Source Name: Monsanto Company
Source Address: 15849 South U.S. Highway 231
Significant Permit Revision Number: 073-26973-00035
Reviewer: Sarah Conner
Date: 9/17/2008

*Annual Operational limit
(hp-hr /yr)

2935714.00

Emission Factor in lb/hp-hr	Pollutant						
	PM**	PM10**	PM2.5**	SO2	Nox	***VOC	CO
Potential Emission in tons/yr	7.000E-04	4.011E-04	3.89E-04	4.045E-03	2.400E-02	7.050E-04	5.500E-03
	1.03	0.59	0.57	5.94	35.23	1.03	8.07

**PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined. PM2.5 is also filterable and condensable PM2.5 combined.
 ***The VOC value given is total organic compounds (TOC).

Methodology

MMBtu = 1,000,000 Btu

Emission Factors are from AP 42, Chapter 3.4, Tables 3.4-1 and 3.4-2, SCC # 2-02-004-01, Oct, 1996

Emission (tons/yr) = Hp-hr/year x Emission Factor (lb/hp-hr)/2,000 lb/ton

Diesel Heating Value = 137,000 Btu/gal.

*Source has agreed to a limit of 150,000 gallons/year for both generators. 150,000 gal/yr x 137,000 Btu/gal x 1 hp-hr/7000 btu = 2935714 hp-hr/yr

Conversion factor of 7,000Btu/hp-hr taken from AP-42, Table 3.4-1.

See page 7 for HAPs emissions calculations.

**Appendix A: Emissions Calculations
Generators 1 & 2 Limited
HAPs Emissions**

Source Name: Monsanto Company
Source Address: 15849 South U.S. Highway 231
Significant Permit Revision Number: 073-26973-00035
Reviewer: Sarah Conner
Date: 9/17/2008

HAPs - Organics					
Emission Factor in lb/hp-hr	Propylene 1.953E-05	Benzene 5.432E-06	Toluene 1.967E-06	Xylenes 1.351E-06	Total
Potential Emission in tons/yr	0.03	0.01	0.00	0.00	0.04

Methodology is the same as page 6.
The five highest organic HAPs emission factors are provided above.
Emission Factors are from AP 42, Chapter 3.4, Table 3.4-3 SCC # 2-02-004-01, October, 1996

**Appendix A: Emissions Calculations
VOC and HAPs Emissions
From Seed Coating Operations**

Company Name: Monsanto Company
Address City IN Zip: 15849 South US Highway 231, Remington, IN 47977
Significant Permit Revision Number: 073-26973-00035
Reviewer: Sarah Conner
Date: 9/17/2008

Four (4) treaters, identified as Treaters 1 through 3 and CBT-100

Material	Density (lb/gal)	Weight % Volatile	Pounds VOC per gallon of coating	Gal of Mat. (gal/ton of seed)	Maximum (tons seed/year)	Unlimited PTE of VOC (lbs/year)	Unlimited PTE of VOC (tons/year)	Weight % Glycol Ethers	Glycol Ether Emissions (tons/year)
Apron XL LS	9.30	68.0%	6.32	0.007	64,000	2655	1.328	1.00%	0.020
Poncho - Medium	10.6	17.0%	1.80	0.353	64,000	40687	20.34	0.00%	0
Poncho High (overtreat)	10.6	17.0%	1.80	1.97	5,600	19848	9.92	0.00%	0
Precise - Medium	10.5	28.0%	2.94	0.313	64,000	58800	29.40	0.00%	0
Precise High (overtreat)	10.5	28.0%	2.94	0.469	5,600	7717	3.86	0.00%	0
Maxim XL	9.20	12.0%	0.550	0.026	64,000	1855	0.927	12.0%	0.927
Red Colorant	9.90	1.80%	0.178	0.039	21,000	146.2	0.073	0.00%	0
Green Colorant	11.0	1.80%	0.198	0.047	64,000	594.1	0.297	0.00%	0
Blue Colorant	9.90	1.80%	0.178	0.078	21,000	292.4	0.146	0.00%	0
Seed Gloss	10.1	0.00%	0.00	0.00	21,000	0.00	0.00	0.00%	0
Dynasty	8.67	6.00%	0.520	0.022	42,000	482	0.241	0.00%	0
Trilex	9.10	20.0%	1.82	0.088	64,000	10240	5.12	0.00%	0
Total						143,316	71.7		0.947

METHODOLOGY

Potential VOC, Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/ton) * Maximum Annual Amount of Grain Coated (tons/yr)

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Coating (gal/ton) * Maximum Amount of Grain Coated(tons/year) * Weight % HAP * 1 ton/2000 lbs

Note: These emissions were originally calculated as a part of significant permit revision no. F 073-24875-00035. As a part of significant permit revision F 073-26568-000035, the source has clarified that these emissions calculations are for Treaters 1 through 3 and CBT-100. Significant permit revision F 073-24875-000035, stated these emissions calculations where only for Treaters 1 through 3.

Limited PTE Summary

Company Name: Monsanto Company

Address: 15849 South U.S. Highway 231, Remington, Indiana 47977

Significant Permit Revision #: 073-26973-00035

Reviewer: Sarah Conner

Date: 9/17/2008

Limited Potential to Emit (tons/year)											
Process/ Emission Unit	PM	PM10	SO2	VOC	CO	NOx	PB	Ben- zene	Dichloro- Benzene	Form- aldehyde	Toluene
Rotary Dryer (P-1)	13.6	14.1	0	0.4	6.6	7.9	3.94 E-05	1.6 E-04	9.5 E-05	5.9 E-03	2.7 E-04
*Dry Coke Storage Bin (P-2)	9.02	9.02	0	0	0	0	0	0	0	0	0
*Sizing Screen (P-3)											
*Coke Conveyors (C1-C5)											
*Loadout Hopper/ Bucket Conveyor (P-4)											
Receiving Hopper (P-5)	0.93	0.45	0	0	0	0	0	0	0	0	0
Screen (P-5)	7.85	3.73	0	0	0	0	0	0	0	0	0
Covered Conveyor (C-6)	0.31	0.147	0	0	0	0	0	0	0	0	0
Insignificant Activities	5	5	0	0	0	0	0	0	0	0	0
Total	36.71	32.45	0	0.4	6.6	7.9	3.94 E-05	1.6 E-04	9.5 E-05	5.9 E-03	2.7 E-04

* The Dry Coke Storage Bin (P-2), Sizing Screen (P-3), Coke Conveyors (C1-C5), and Loadout Hopper/ Bucket Conveyor (P-4) are all controlled by the same baghouse, B-4.

The Limit for the Rotary Dryer was calculated using the following information:

Limit from 326 IAC 6.8-1-2 = 0.03 gr/dscf; Baghouse Flow = 12000 ft3/min.

Hourly Limit = 0.03 gr/ft3 x 1 lb/7000 gr x 12000 ft3/min x 60 min/hr = 3.09 lbs/hr.

The limit for the Dry Coke Storage Bin, Sizing Screen, Coke Conveyors and Loadout Hopper/ Bucket Conveyor was calculated using the following information:

Limit from 326 IAC 6.8-1-2 = 0.03 gr/dscf; Baghouse Flow = 8000 ft3/min; Hourly Limit = 0.03 gr/ft3 x 1 lb/7000 gr x 8000 ft3/min x 60 min/hr = 2.06 lbs/hr.