INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Michael R. Pence
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: February 6, 2013

RE: Cargill AgHorizons- Linden Grain Elevator / 107-31890-00009

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

Notice of Decision: Approval – Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204.

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

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

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

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

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

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

Enclosures
FNTVOP.dot12/3/07

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Part 70 Operating Permit
OFFICE OF AIR QUALITY

Cargill AgHorizons - Linden Grain Elevator
173 West County Road 1100 North
Linden, Indiana 47955

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

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

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

Operation Permit No.: T107-31890-00009	
Issued by: Jenny Acker, Section Chief Permits Branch Office of Air Quality	Issuance Date: February 6, 2013 Expiration Date: February 6, 2018

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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 grain elevator, one source with an ethanol plant.

Source Address:	173 West County Road 1100 North, Linden, IN 47955
General Source Phone Number:	(765) 339-7251
SIC Code:	5153
County Location:	Montgomery
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD and Emission Offset Rules Greenhouse Gas (GHG) potential to emit (PTE) is equal to or more than one hundred thousand (100,000) tons of CO2 equivalent emissions (CO2e) per year Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Source Definition [326 IAC 2-7-1(22)]

The following two (2) companies are located at the same location:

(a) Cargill AgHorizons – Linden Grain Elevator (Plant ID #107-00009), an existing grain elevator (SIC 5153), which started operation in 1972.

(b) Valero Renewable Fuels Company, LLC - Valero Linden Plant (Plant ID #107-00061), an ethanol production plant (SIC 2869). All the grain received at the ethanol plant will be from Cargill AgHorizons - Linden Grain Elevator.

Since these two (2) plants are located on adjacent property and have a supporting relationship, IDEM, OAQ has determined that these two (2) plants should be considered one (1) source for purposes of determining the potential to emit regulated air pollutants and applicable requirements under the Clean Air Act (as amended by the 1990 Clean Air Act Amendments), Title 40 of the Code of Federal Regulations (CFR), and Title 326 of the Indiana Administrative Code (IAC). Separate FESOPs have been issued to Plant #107-00009 and #107-00061 solely for administrative purposes. This permit covers the Cargill AgHorizons - Linden Grain Elevator plant (#107-00009).

A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

(a) One (1) grain receiving operation, identified as EU101, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(1) One (1) truck dump pit, with a maximum capacity of 840 tons of grain per hour.

(2) One (1) truck/railcar dump pit, with a maximum capacity of 840 tons of grain per hour.

Under NSPS, Subpart DD, the grain receiving operation EU101 is considered a grain loading station.

(b) One (1) grain leg handling system, identified as EU102, constructed in 1972 and approved in 2007 and 2010 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of the following:

(1) Two (2) enclosed transfer legs associated with the grain dump pits, identified as Leg 1 and Leg 2, each with a maximum throughput rate of 840 tons of grain per hour.

(2) Two (2) enclosed transfer legs associated with the grain dryer, identified as Leg 3 and Leg 4, each with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the grain leg handling system EU102 is considered an affected grain handling operation.

(c) One (1) enclosed conveyor system, identified as EU103, constructed in 1972 and and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of the following:

(1) Four (4) enclosed conveyors, identified as C1, C2, C7, and C9, each with a maximum throughput rate of 840 tons of grain per hour.

(2) Five (5) enclosed conveyors which transfers grain to Valero Renewable Fuels Company, LLC - Valero Linden Plant, identified as EC1 through EC5, with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the enclosed conveyor system EU103 is considered an affected grain handling operation.

(d) One (1) drag conveyor system, identified as EU104, constructed in 1972 and approved in 2007 and 2010 for modification, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of six (6) enclosed drag conveyors (identified as Dry Drag 1 through Dry Drag 4, Wet Drag 1 and Wet Drag 2), each with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the drag conveyor system EU104 is considered an affected grain handling operation.

(e) Seven (7) headhouse storage bins and one (1) metal storage tank, identified as EU105, constructed in 1972, with a total storage capacity of 725,625 bushels, and with a total maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

(f) Eight (8) annex storage bins, identified as EU106, constructed in 1979, with a total storage capacity of 557,800 bushels and with a total maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the annex storage bins identified as EU106 are considered an affected grain handling operation.

(g) One (1) natural gas-fired column grain dryer, identified as EU100, constructed in 2010, with a maximum heat input capacity of 108 MMBtu/hr and a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the natural gas-fired column grain dryer is considered an affected facility.

(h) Three (3) metal storage tanks, identified as FS104, constructed in 1972, with a total storage capacity of 1,850 bushels and a maximum total throughput rate of 560 tons of grain per hour.

(i) Three (3) storage tank conveyors, identified as FS103, constructed in 1972, each with a maximum throughput rate of 560 tons of grain per hour.

(j) One (1) grain loadout operation, identified as EU108, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(1) One (1) railcar loadout operation, with a maximum throughput rate of 1,120 tons of grain per hour.

(2) One (1) truck loadout operation, with a maximum throughput rate of 840 tons of grain per hour.

Under NSPS, Subpart DD, the grain loadout operation EU108 is considered an affected grain unloading station.

(k) One (1) annex bin reclaim conveyor, identified as C8, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the reclaim conveyor C8 is considered an affected grain handling operation

(l) One (1) enclosed headhouse distributor, identified as EU113, constructed in 1972 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the headhouse distributor EU113 is considered an affected grain handling operation.

(m) One (1) enclosed annex distributor, identified as EU114, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the annex distributor EU114 is considered an affected grain handling operation.

A.4 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

This stationary source also includes the following insignificant activities:

(a) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(b) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(c) Paved roads and parking lots with public access.

(d) Other emission units, not regulated by a NESHAP, with PM10, NOx, and SO2 emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) tons per year of any combination of HAPs:

Outdoor grain storage, identified as EU111, with a total maximum throughput rate of 1,680,000 tons/yr, consisting of:

(1) Three (3) outdoor grain storage piles; and

(2) Multiple grain storage bags.

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, T107-31890-00009, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

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

B.5 Severability [326 IAC 2-7-5(5)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

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

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(35).

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

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. 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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

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

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

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

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

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

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

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

(a) All terms and conditions of permits established prior to T107-31890-00009 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit.

[326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

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

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if,

subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

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

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

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

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

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

(4) The Permittee notifies the:

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

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

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

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

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

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

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

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

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 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 Opacity [326 IAC 5-1]

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

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

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

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

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

C.5 Fugitive Dust Emissions [326 IAC 6-4]

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

C.6 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the attached plan as in Attachment A. The provisions of 326 IAC 6-5 are not federally enforceable.

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. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

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

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

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

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

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

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

C.11 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

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

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

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

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

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

no later than ninety (90) days after the date of issuance of this permit.

The ERP does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

(f) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.14 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.15 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

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

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

In accordance with the compliance schedule in 326 IAC 2-6-3(b)(2), starting in 2005 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) (“Regulated pollutant, which is used only for purposes of Section 19 of this rule”) from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.18 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(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. Support information includes the following:
  (AA) All calibration and maintenance records.
  (BB) All original strip chart recordings for continuous monitoring instrumentation.
  (CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following:
  (AA) The date, place, as defined in this permit, and time of sampling or measurements.
  (BB) The dates analyses were performed.
  (CC) The company or entity that performed the analyses.
  (DD) The analytical techniques or methods used.
  (EE) The results of such analyses.
  (FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.19 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

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

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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

Stratospheric Ozone Protection

C.20 Compliance with 40 CFR 82 and 326 IAC 22-1

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

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) grain receiving operation, identified as EU101, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(1) One (1) truck dump pit, with a maximum capacity of 840 tons of grain per hour.

(2) One (1) truck/railcar dump pit, with a maximum capacity of 840 tons of grain per hour.

Under NSPS, Subpart DD, the grain receiving operation EU101 is considered a grain loading station.

(b) One (1) grain leg handling system, identified as EU102, constructed in 1972 and approved in 2007 and 2010 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of the following:

(1) Two (2) enclosed transfer legs associated with the grain dump pits, identified as Leg 1 and Leg 2, each with a maximum throughput rate of 840 tons of grain per hour.

(2) Two (2) enclosed transfer legs associated with the grain dryer, identified as Leg 3 and Leg 4, each with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the grain leg handling system EU102 is considered an affected grain handling operation.

(c) One (1) enclosed conveyor system, identified as EU103, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of the following:

(1) Four (4) enclosed conveyors, identified as C1, C2, C7, and C9, each with a maximum throughput rate of 840 tons of grain per hour.

(2) Five (5) enclosed conveyors which transfers grain to Valero Renewable Fuels Company, LLC - Valero Linden Plant, identified as EC1 through EC5, with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the enclosed conveyor system EU103 is considered an affected grain handling operation.

(d) One (1) drag conveyor system, identified as EU104, constructed in 1972 and approved in 2007 and 2010 for modification, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of six (6) enclosed drag conveyors (identified as Dry Drag 1 through Dry Drag 4, Wet Drag 1 and Wet Drag 2), each with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the drag conveyor system EU104 is considered an affected grain handling operation.

(e) Seven (7) headhouse storage bins and one (1) metal storage tank, identified as EU105, constructed in 1972, with a total storage capacity of 725,625 bushels, and with a total maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

(f) Eight (8) annex storage bins, identified as EU106, constructed in 1979, with a total storage capacity of 557,800 bushels and with a total maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the annex storage bins identified as EU106 are considered an affected grain handling operation.

(g) One (1) natural gas-fired column grain dryer, identified as EU100, constructed in 2010, with a maximum heat input capacity of 108 MMBtu/hr and a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the natural gas-fired column grain dryer is considered an affected facility.

(h) Three (3) metal storage tanks, identified as FS104, constructed in 1972, with a total storage capacity of 1,850 bushels and a maximum total throughput rate of 560 tons of grain per hour.

(i) Three (3) storage tank conveyors, identified as FS103, constructed in 1972, each with a maximum throughput rate of 560 tons of grain per hour.

(j) One (1) grain loadout operation, identified as EU108, constructed in 1972 and modified in 2007, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(1) One (1) railcar loadout operation, with a maximum throughput rate of 1,120 tons of grain per hour.

(2) One (1) truck loadout operation, with a maximum throughput rate of 840 tons of grain per hour.

Under NSPS, Subpart DD, the grain loadout operation EU108 is considered an affected grain unloading station.

(k) One (1) annex bin reclaim conveyor, identified as C8, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the reclaim conveyor C8 is considered an affected grain handling operation

(l) One (1) enclosed headhouse distributor, identified as EU113, constructed in 1972 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the headhouse distributor EU113 is considered an affected grain handling operation.

(m) One (1) enclosed annex distributor, identified as EU114, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the annex distributor EU114 is considered an affected grain handling operation.

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

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

D.1.1 PSD Minor Limitations [326 IAC 2-2]

(a) The PM emissions from the grain receiving (EU101), handling (EU102 - EU106, C8, EU113, and EU114), and loadout (EU108) operations shall not exceed the emission limits listed in the table below:

Unit ID	Unit Description	Control Device	PM/PM10/PM2.5 Emission Limit (lbs/hr) Utilizing Baghouse	PM/PM10/PM2.5 Emission Limit (lbs/hr) No Baghouse
EU101	Grain Receiving	Baghouse BH1	2.51	250.71
EU102 EU103 EU104 C8 EU113 EU114	Grain Handling			
EU105 EU106	Grain Storage			
EU108	Grain Loadout			

(b) Combined PM emissions from emission units EU101 through EU106, EU108, C8, EU113, and EU114 shall be less than 10.98 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Note: The Grain Receiving, Grain Handling, Grain Storage, and Grain Loadout operations may operate while utilizing Baghouse BH1 or without the use of the baghouse. At no time shall the combined emissions for these operations exceed 10.98 tons per year. To ensure compliance with this limit, the source shall determine emissions according to the formula identified in Condition D.1.4.

(c) The Permittee shall comply with the following throughput rate limits:

Unit ID	Unit Description	Throughput Limits (tons of grain per twelve (12) consecutive month period)
FS104	Grain Storage Tanks	1,680,000
FS103	Storage Tank Conveyors	1,680,000
EU100	Grain Dryer	462,000

In conjunction with the above mentioned limits, the Permittee shall comply with the following emission limitations for PM emissions:

Unit ID	Unit Description	PM Emission Limit (lbs/ton)
FS104	Grain Storage Tanks	0.025
FS103	Storage Tank Conveyors	0.061
EU100	Grain Dryer	0.22

(d) The amount of natural gas combusted in the grain dryer (EU100) shall not exceed 100 million cubic feet (MMCF) per twelve (12) consecutive month period with compliance determined at the end of each month.

(e) NOx emissions from the grain dryer (EU100) shall not exceed 100 pounds per million cubic foot (lbs/MMCF).

(f) CO emissions from the grain dryer (EU100) shall not exceed 84 pounds per million cubic foot (lbs/MMCF).

Compliance with these limits in conjunction with the PM, PM10, PM2.5, NOx, and CO and the limits in Valero Renewable Fuels Company, LLC - Valero Linden Plant (Plant ID #107-00061) and from Cargill AgHorizons – Linden Grain Elevator (Plant ID #107-00009), shall limit the PM, PM10, PM2.5, NOx, and CO emissions from the entire source to less than 250 tons per twelve (12) consecutive month period and therefore, render the requirements of 326 IAC 2-2 (PSD) not applicable.

D.1.2 Particulate Emission Limitations [326 IAC 6-3-2]

The Permittee shall comply with the following limits:

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from each of following operations shall not exceed the pound per hour limits listed in the table below:

Unit ID	Unit Description	Maximum Throughput Rate (tons/hr)	Control Device	326 IAC 6-3-2 Total Allowable Particulate Emission Rate (lbs/hr)
EU101	Dump Pit 1	840	Baghouse BH1	75.35
	Dump Pit 2	840		75.35
EU102	Grain Leg 1	840		75.35
	Grain Leg 2	840		75.35
	Grain Leg 3	420		66.89
	Grain Leg 4	420		66.89
EU103	Enclosed Conveyor C1	840		75.35
	Enclosed Conveyor C2	840		75.35
	Enclosed Conveyor C7	840		75.35
	Enclosed Conveyor C9	840		75.35
	Enclosed Conveyors EC1-EC5	420		66.89 (each)
EU104	Dry Drag 1	420		66.89
	Dry Drag 2	420		66.89
	Dry Drag 3	420		66.89
	Dry Drag 4	420		66.89
	Wet Drag 1	420		66.89
	Wet Drag 2	420		66.89
EU105	Headhouse Storage Bins 1-7 and one (1) metal storage tank	840		75.35 (each)
EU106	Annex Storage Bins 8-15	840		75.35 (each)
EU108	Railcar Grain Loadout Station	1,120		79.06
	Truck Grain Loadout Station	840		75.35
C8	Annex Bin Reclaim Conveyor	840		75.35
EU113	Headhouse Distributor	840		75.35
EU114	Annex Distributor	840		75.35
EU100	Grain Dryer	420	N/A	66.89
FS104	Each Metal Storage Tank	560	N/A	70.32 (each)
FS103	Each Storage Tank Conveyor	560	N/A	70.32 (each)

The pounds per hour limitations were calculated using the following equation:

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:

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

Pursuant to 326 IAC 6-3-2(e)(3), when the process weight exceeds 200 tons per hour, the maximum allowable emission may exceed the emission limits shown in the table above, provided the concentration of particulate matter in the gas discharged to the atmosphere is less than 0.10 pounds per 1,000 pounds of gases.

D.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and the associated control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.4 Particulate Emissions

In order to ensure compliance with Condition D.1.1(b),the Permittee shall determine particulate emissions from emission units EU101 through EU106, EU108, C8, EU113, and EU114, according to the following formula:

$$\frac{E = U(PT_U) + C(PT_C)}{2{,}000\ \text{lbs/ton}}$$

where:
E = Tons of particulate emissions for a 12-month consecutive period
U = Uncontrolled Emission Rate (0.036 lb/ton) or the emission factor determined from the most recent valid stack test
C = Controlled Emission Rate (0.000364 lb/ton) or the emission factor determined from the most recent valid stack test
PT_U = Production Throughput (tons) while Baghouse BH1 is not operated
PT_C = Production Throughput (tons) while Baghouse BH1 is operated

D.1.5 Particulate Control

(a) The Permittee shall operate baghouse BH1, which controls the below listed emission units, as necessary, in order to ensure compliance with Conditions D.1.1.

Unit ID	Unit Description	Baghouse ID	Stack ID
EU101	Each Dump Pit	BH1	EP110
EU102	Grain Leg Handling	BH1	EP110
EU103	Enclosed Conveyor System	BH1	EP110
EU104	Drag Conveyor System	BH1	EP110
EU105	Each Headhouse Storage Bin and one (1) metal storage tank	BH1	EP110
EU106	Each Annex Storage Bin	BH1	EP110
EU108	Each Grain Loadout Station	BH1	EP110
C8	Annex Bin Reclaim Conveyor	BH1	EP110
EU113	Headhouse Distributor	BH1	EP110
EU114	Annex Distributor	BH1	EP110

(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.

D.1.6 Testing Requirements [326 IAC 2-1.1-11]

In order to demonstrate compliance with Conditions D.1.1(a) and D.1.1(b), the Permittee shall perform PM, PM10, PM2.5, testing for baghouse BH1 utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid compliance demonstration. PM10 and PM2.5 includes filterable and condensible PM.

Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition.

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

D.1.7 Visible Emissions Notations

The Permittee shall comply with the following:

(a) Visible emission notations of the baghouse stack exhausts (stacks EP110) shall be performed once per day during normal daylight operations. 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 a reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.1.8 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse (BH1) used in conjunction with the grain receiving operation (EU101), the grain handling operations (EU102 through EU106, C8, EU113, and EU114) and the grain loadout operation (EU108), at least once per day when the associated emission units are in operation. When, for any one reading, the pressure drop across the baghouse is outside the normal range the Permittee shall take a reasonable response. The normal range for this unit is a pressure drop between 1.0 to 6.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C – Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.9 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, dust traces or triboflows.

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

D.1.10 Record Keeping Requirements

(a) To document the compliance status with Conditions D.1.1(b), the Permittee shall maintain monthly records of the following:

(1) The maximum amount of grain processed (tons) through emission units EU101 through EU108, C8, EU113, and EU114 during periods with the use of baghouse BH1 (controlled).

(2) The maximum amount of grain processed (tons) through emission units EU101 through EU108, C8, EU113, and EU114 during periods without the use of baghouse BH1 (uncontrolled).

(b) To document the compliance status with Conditions D.1.1(c), the Permittee shall maintain monthly records of the following:

(1) The amount of grain stored in the grain storage tanks (FS104);

(2) The amount of grain handled in the storage tank conveyors (FS103); and

(3) The amount of grain input to the grain dryer (EU100).

(c) To document the compliance status with Condition D.1.7, the Permittee shall maintain a daily record of visible emission notations for each of the baghouse stack 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).

(d) To document the compliance status with Condition D.1.8, the Permittee shall maintain a daily record of pressure drop for each of the baghouses during normal operation. 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).

(e) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligation with regard to the recordkeeping requirements by this condition.

D.1.11 Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.1(b) and D.1.1(c) shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

SECTION E.1 SOURCE OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]:

(a) One (1) grain receiving operation, identified as EU101, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(1) One (1) truck dump pit, with a maximum capacity of 840 tons of grain per hour.

(2) One (1) truck/railcar dump pit, with a maximum capacity of 840 tons of grain per hour.

Under NSPS, Subpart DD, the grain receiving operation EU101 is considered an affected grain loading station.

(b) One (1) grain leg handling system, identified as EU102, constructed in 1972 and approved in 2007 and 2010 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of the following:

(1) Two (2) enclosed transfer legs associated with the grain dump pits, identified as Leg 1 and Leg 2, each with a maximum throughput rate of 840 tons of grain per hour.

(2) Two (2) enclosed transfer legs associated with the grain dryer, identified as Leg 3 and Leg 4, each with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the grain leg handling system EU102 is considered an affected grain handling operation.

(d) One (1) drag conveyor system, identified as EU104, constructed in 1972 and approved in 2007 and 2010 for modification, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of six (6) enclosed drag conveyors (identified as Dry Drag 1 through Dry Drag 4, Wet Drag 1 and Wet Drag 2), each with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the drag conveyor system EU104 is considered an affected grain handling operation.

(f) Eight (8) annex storage bins, identified as EU106, constructed in 1979, with a total storage capacity of 557,800 bushels and with a total maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the annex storage bins identified as EU106 are considered an affected grain handling operation.

(g) One (1) natural gas-fired column grain dryer, identified as EU100, constructed in 2010, with a maximum heat input capacity of 108 MMBtu/hr and a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the natural gas-fired column grain dryer is considered an affected facility.

(j) One (1) grain loadout operation, identified as EU108, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(1) One (1) railcar loadout operation, with a maximum throughput rate of 1,120 tons of grain per hour.

(2) One (1) truck loadout operation, with a maximum throughput rate of 840 tons of grain per hour.

Under NSPS, Subpart DD, the grain loadout operation EU108 is considered an affected grain unloading station.

(k) One (1) annex bin reclaim conveyor, identified as C8, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the reclaim conveyor C8 is considered an affected grain handling operation

(l) One (1) enclosed headhouse distributor, identified as EU113, constructed in 1972 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the headhouse distributor EU113 is considered an affected grain handling operation.

(m) One (1) enclosed annex distributor, identified as EU114, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the annex distributor EU114 is considered an affected grain handling operation.

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

New Source Performance Standards (NSPS) Requirements

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

Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1, except as otherwise specified in 40 CFR Part 60, Subpart DD.

E.1.2 Standards of Performance for Grain Elevators [40 CFR Part 60, Subpart DD] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart DD, the Permittee shall comply with the provisions of Standards of Performance for Grain Elevators (included as Attachment B), which are incorporated by reference as 326 IAC 12, for the column grain dryer (EU100), grain receiving operation (EU101), the grain handling operation (EU102 through EU104, EU106, C8, EU113, and EU114), and the grain loadout operation (EU108):

(1) 40 CFR 60.300
(2) 40 CFR 60.301
(3) 40 CFR 60.302 (a)(1), (b), (c)(1) - (3)
(4) 40 CFR 60.303
(5) 40 CFR 60.304

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Cargill AgHorizons - Linden Grain Elevator
Source Address: 173 West County Road 1100 North, Linden, Indiana 47955
Permit No.: T107-31890-00009

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 AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Cargill AgHorizons - Linden Grain Elevator
Source Address: 173 West County Road 1100 North, Linden, Indiana 47955
Permit No.: T107-31890-00009

This form consists of 2 pages **Page 1 of 2**

□ This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N 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: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFOCEMENT BRANCH

FESOP Quarterly Report

Source Name: Cargill AgHorizons – Linden Grain Elevator
Source Address: 173 West, Country Road 1100 North, Linden, Indiana 47955
Permit No.: T107-31890-00009
Facility: EU101 through EU108, C8, EU113, and EU114
Parameter: PM/PM10/PM2.5 Emissions
Limit: Combined PM/PM10/PM2.5 emissions from emission units EU101 through EU108, C8, EU113, and EU114 shall be less than 2.55 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

The Permittee shall determine particulate emissions from emission units EU101 through EU108, C8, EU113, and EU114 according to the following formula:

$$\frac{E = U(PT_U) + C(PT_C)}{2{,}000 \text{ lbs/ton}}$$

where:

E = Tons of particulate emissions for a 12-month consecutive period
U = Uncontrolled Emission Rate (0.036 lb/ton) or the emission factor determined from the most recent valid stack test
C = Controlled Emission Rate (0.000364 lb/ton) or the emission factor determined from the most recent valid stack test
PT_U = Production Throughput (tons) while Baghouse BH1 is not operated
PT_C = Production Throughput (tons) while Baghouse BH1 is operated

Page 2 of 2

QUARTER:_____ YEAR:_____

Month	Column 1 This Month			Column 2 Previous 11 Months			Column 1 + Column 2 12 Month Total		
	Process Throughput		Emissions	Process Throughput		Emissions	Process Throughput		Emissions
	Controlled (tons)	Uncontrolled (tons)	(tons/yr)	Controlled (tons)	Uncontrolled (tons)	(tons/yr)	Controlled (tons)	Uncontrolled (tons)	(tons/yr)
Month 1									
Month 2									
Month 3									

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:_____

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

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

PART 70 OPERATING PERMIT
Quarterly Report

Source Name: Cargill AgHorizons – Linden Grain Elevator
Source Address: 173 West, Country Road 1100 North, Linden, Indiana 47955
Permit No.: T107-31890-00009
Facility: Metal Storage Tanks (FS104) and Storage Tank Conveyors (FS103)
Parameter: Total Grain Stored and Conveyed (each)
Limit: Shall not exceed 1,680,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Column 1		Column 2		Column 1 + Column 2	
	This Month		Previous 11 Months		12 Month Total	
	Stored	Conveyed	Stored	Conveyed	Stored	Conveyed
Month 1						
Month 2						
Month 3						

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

PART 70 OPERATING PERMIT
Quarterly Report

Source Name: Cargill AgHorizons – Linden Grain Elevator
Source Address: 173 West, Country Road 1100 North, Linden, Indiana 47955
Permit No.: T107-31890-00009
Facility: Grain Dryer (EU100)
Parameter: Total Grain Processed
Limit: Shall not exceed 462,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

PART 70 OPERATING PERMIT
Quarterly Report

Source Name: Cargill AgHorizons – Linden Grain Elevator
Source Address: 173 West, Country Road 1100 North, Linden, Indiana 47955
Permit No.: T107-31890-00009
Facility: Grain Dryer (EU100)
Parameter: Natural Gas Usage
Limit: Less than 100 MMCF per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR: _____

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

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

Source Name: Cargill AgHorizons - Linden Grain Elevator
Source Address: 173 West County Road 1100 North, Linden, Indiana 47955
Permit No.: T107-31890-00009

Months: _____ **to** _____ **Year:** _____

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This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

□ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

□ 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:	

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

Form Completed by:_____

Title / Position:_____

Date:_____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

Attachment A

1.0 SOURCE INFORMATION	
Source Name:	Cargill AgHorizons – Linden Grain Elevator
Source Address:	173 West County Road 1100 North Linden, Indiana 47955
Plan Contact:	Jim Simpson / Source Address

2.0 FUGITIVE DUST CONTROL PLAN

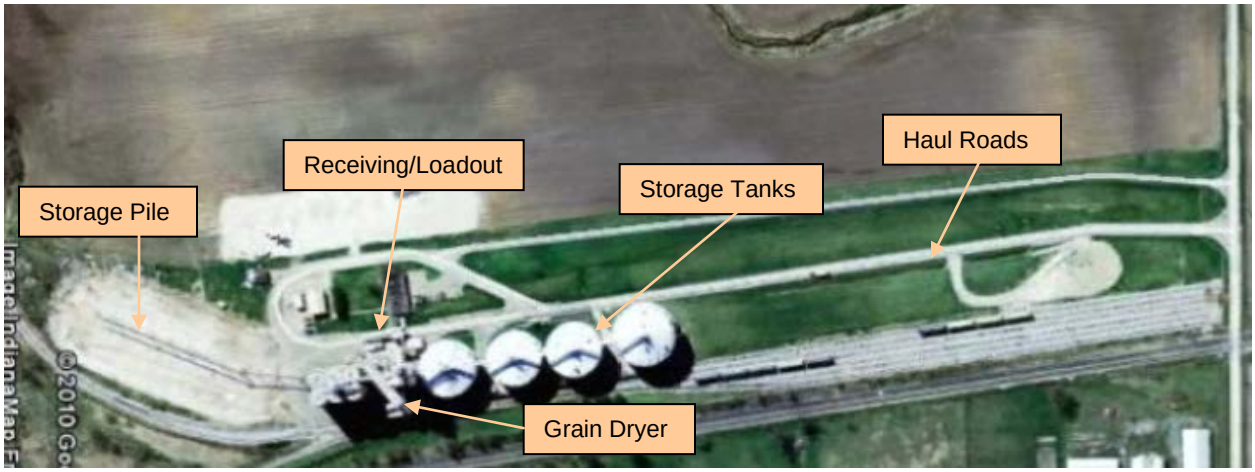
This Plan meets the requirements of 326 IAC 6-5 for the control of fugitive particulate matter emissions from process operations and emission units.

3.0 SOURCES OF FUGITIVE PARTICULATE

The following sources of fugitive particulate are found at this Source:

- Grain receiving and loadout operations (EU101 and EU108)
- Storage tank transfer and filling (FS103 and FS104)
- Grain storage piles / Bag filling (EU111)
- Grain drying (EU100)
- Haul roads

4.0 SOURCE MAP



5.0 HAUL ROADS

The Source receives grain by truck for storage and transport to the adjacent ethanol production facility. Small amounts of grain are shipped from the Source by truck. The haul roads are paved. Employees drive and park on stone surfaces with minimal production of dust.

6.0 MATERIAL HANDLED

The Source is an elevator for the receipt, storage, transfer, and/or shipment of grain. The Source handles corn and other similar grains at a maximum of 1,680,000 tons per year (60 million bushels per year).

7.0 CONTROL MEASURES

The Source uses soyoil as a dust suppressant and implements proper control measures to reduce fugitive particulate emissions as discussed below:

Grain receiving and loadout operations (EU101 and EU108)

The grain receiving and loadout operations occur within a structure and the exhausts are controlled by a central dust collector. A majority of the grain is received by hopper trucks. Any potential spill over is cleaned to reduce any potential fugitive dust.

Storage tank transfer and filling (FS103 and FS104)

The tank transfer and filling occurs via partially enclosed conveyors with limited potential for significant fugitive dust releases.

Grain storage piles / Bag filling (EU111)

The Source currently fills oversized storage bags instead of having an open aggregate storage pile. Potential fugitive dust is reduced through the use of best management practices by reducing the distance the loading conveyor is from the bags to be filled; reducing the time the grain is affected by ambient air. If the overhead augers are in use for a storage pile, a dust suppressant hopper is used in front of the augers.

Grain drying (EU100)

The grain dryer is a state of the art unit with built in measure to limit fugitive emissions. Performance data has demonstrated full compliance with all applicable regulations.

Haul roads

The haul roads are swept weekly or more frequent if needed to minimize fugitive dust from becoming airborne.

8.0 COMPLIANCE SCHEDULE

The Source is currently in full compliance with all measures discussed in this Dust Control Plan.

Indiana Department of Environmental Management
Office of Air Quality

Attachment B

Subpart DD—Standards of Performance for Grain Elevators

Source: 43 FR 34347, Aug. 3, 1978, unless otherwise noted.

§ 60.300 Applicability and designation of affected facility.

(a) The provisions of this subpart apply to each affected facility at any grain terminal elevator or any grain storage elevator, except as provided under §60.304(b). The affected facilities are each truck unloading station, truck loading station, barge and ship unloading station, barge and ship loading station, railcar loading station, railcar unloading station, grain dryer, and all grain handling operations.

(b) Any facility under paragraph (a) of this section which commences construction, modification, or reconstruction after August 3, 1978, is subject to the requirements of this part.

[43 FR 34347, Aug. 3, 1978, as amended at 52 FR 42434, Nov. 5, 1988]

§ 60.301 Definitions.

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

(a) *Grain* means corn, wheat, sorghum, rice, rye, oats, barley, and soybeans.

(b) *Grain elevator* means any plant or installation at which grain is unloaded, handled, cleaned, dried, stored, or loaded.

(c) *Grain terminal elevator* means any grain elevator which has a permanent storage capacity of more than 88,100 m^3 (ca. 2.5 million U.S. bushels), except those located at animal food manufacturers, pet food manufacturers, cereal manufacturers, breweries, and livestock feedlots.

(d) *Permanent storage capacity* means grain storage capacity which is inside a building, bin, or silo.

(e) *Railcar* means railroad hopper car or boxcar.

(f) *Grain storage elevator* means any grain elevator located at any wheat flour mill, wet corn mill, dry corn mill (human consumption), rice mill, or soybean oil extraction plant which has a permanent grain storage capacity of 35,200 m^3 (ca. 1 million bushels).

(g) *Process emission* means the particulate matter which is collected by a capture system.

(h) *Fugitive emission* means the particulate matter which is not collected by a capture system and is released directly into the atmosphere from an affected facility at a grain elevator.

(i) *Capture system* means the equipment such as sheds, hoods, ducts, fans, dampers, etc. used to collect particulate matter generated by an affected facility at a grain elevator.

(j) *Grain unloading station* means that portion of a grain elevator where the grain is transferred from a truck, railcar, barge, or ship to a receiving hopper.

(k) *Grain loading station* means that portion of a grain elevator where the grain is transferred from the elevator to a truck, railcar, barge, or ship.

(l) *Grain handling operations* include bucket elevators or legs (excluding legs used to unload barges or ships), scale hoppers and surge bins (garners), turn heads, scalpers, cleaners, trippers, and the headhouse and other such structures.

(m) *Column dryer* means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in one or more continuous packed columns between two perforated metal sheets.

(n) *Rack dryer* means any equipment used to reduce the moisture content of grain in which the grain flows from the top to the bottom in a cascading flow around rows of baffles (racks).

(o) *Unloading leg* means a device which includes a bucket-type elevator which is used to remove grain from a barge or ship.

[43 FR 34347, Aug. 3, 1978, as amended at 65 FR 61759, Oct. 17, 2000]

§ 60.302 Standard for particulate matter.

(a) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any gases which exhibit greater than 0 percent opacity from any:

(1) Column dryer with column plate perforation exceeding 2.4 mm diameter (ca. 0.094 inch).

(2) Rack dryer in which exhaust gases pass through a screen filter coarser than 50 mesh.

(b) On and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any affected facility except a grain dryer any process emission which:

(1) Contains particulate matter in excess of 0.023 g/dscm (ca. 0.01 gr/dscf).

(2) Exhibits greater than 0 percent opacity.

(c) On and after the 60th day of achieving the maximum production rate at which the affected facility will be operated, but no later than 180 days after initial startup, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere any fugitive emission from:

(1) Any individual truck unloading station, railcar unloading station, or railcar loading station, which exhibits greater than 5 percent opacity.

(2) Any grain handling operation which exhibits greater than 0 percent opacity.

(3) Any truck loading station which exhibits greater than 10 percent opacity.

(4) Any barge or ship loading station which exhibits greater than 20 percent opacity.

(d) The owner or operator of any barge or ship unloading station shall operate as follows:

(1) The unloading leg shall be enclosed from the top (including the receiving hopper) to the center line of the bottom pulley and ventilation to a control device shall be maintained on both sides of the leg and the grain receiving hopper.

(2) The total rate of air ventilated shall be at least 32.1 actual cubic meters per cubic meter of grain handling capacity (ca. 40 ft^3 /bu).

(3) Rather than meet the requirements of paragraphs (d)(1) and (2) of this section the owner or operator may use other methods of emission control if it is demonstrated to the Administrator's satisfaction that they would reduce emissions of particulate matter to the same level or less.

§ 60.303 Test methods and procedures.

(a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendix A of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in paragraph (c) of this section.

(b) The owner or operator shall determine compliance with the particulate matter standards in §60.302 as follows:

(1) Method 5 shall be used to determine the particulate matter concentration and the volumetric flow rate of the effluent gas. The sampling time and sample volume for each run shall be at least 60 minutes and 1.70 dscm (60 dscf). The probe and filter holder shall be operated without heaters.

(2) Method 2 shall be used to determine the ventilation volumetric flow rate.

(3) Method 9 and the procedures in §60.11 shall be used to determine opacity.

(c) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For Method 5, Method 17 may be used.

[54 FR 6674, Feb. 14, 1989]

§ 60.304 Modifications.

(a) The factor 6.5 shall be used in place of “annual asset guidelines repair allowance percentage,” to determine whether a capital expenditure as defined by §60.2 has been made to an existing facility.

(b) The following physical changes or changes in the method of operation shall not by themselves be considered a modification of any existing facility:

(1) The addition of gravity loadout spouts to existing grain storage or grain transfer bins.

(2) The installation of automatic grain weighing scales.

(3) Replacement of motor and drive units driving existing grain handling equipment.

(4) The installation of permanent storage capacity with no increase in hourly grain handling capacity.

Indiana Department of Environmental Management
Office of Air Quality

Addendum to the
Technical Support Document for a Part 70 Operating Permit

Source Description and Location

Source Name:	**Cargill AgHorizons-Linden Grain Elevator**
Source Location:	**173 West County Road 1100 North, Linden, IN, 47955**
County:	**Montgomery**
SIC Code:	**2869, 5153**
Operating Permit No.:	**T107-31890-00009**
Permit Reviewer:	**Julie Alexander**

On December 5, 2012, the Office of Air Quality (OAQ) had a notice published in the Elkhart Truth, Elkhart, Indiana, stating that Cargill AgHorizons-Linden Grain Elevator had applied for a Part 70 Operating Permit to operate a stationary grain elevator. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

Upon further review, the OAQ has decided to make the following revisions to the permit (bolded language has been added, the language with a line through it has been deleted). The Table Of Contents has been modified to reflect these changes.

1. On November 3, 2011, the Indiana Air Pollution Control Board issued a revision to 326 IAC 2. The revision resulted in a change to the rule citation of the "responsible official" definition. Therefore, throughout the permit the following citation has been revised as follows:

   326 IAC 2-7-1(~~34~~**35**)

Comment 1:

On December 6, 2012, Mrs. Ladonna Dyer commented on the proposed Part 70 permit concerned about Cargill AgHorizons-Linden Grain Elevator fugitive emissions:

My husband and I live one block over from State Road 231 directly across from Cargill. My daughter lives a half block behind us. I've been planning to contact you regarding all the dust and specifically all the bees wings that fall all over our house and yard. It even gets in our vehicles through vents and all over the dash. It is also in our house window sills, on sidewalks, and drives. When you mow in the summer, it is ridiculous what blows up and around. We have lived in this house since 1967 and we put up with the same old thing year after year. We have three daughters and seven grandchildren. Two of our daughters and four of our grandchildren have asthma. Sometimes it looks like it is snowing; only it's red. Our daughter that lives behind us has a pool and it has been awful this summer. It's hard on the pump and filter. The bottom of the pool was covered.

Response 1:

IDEM thanks Mrs. Dyer for participating in the public process by providing written comment on the proposed Part 70 Permit.

Particulate emissions from the grain receiving, handling, storage and loadout, are controlled by a baghouse. In order to ensure comply with this permit, Cargill AgHorizons-Linden Grain Elevator must operate the baghouse.

Also, in Condition C.5 of this permit, fugitive dust from all activities is "not allowed 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." In Condition C.6, the source must control fugitive particulate matter emission with a fugitive dust control plan. Cargill AgHorizons-Linden Grain Elevator's plan can be found as attachment A to this permit.

IDEM's air compliance inspectors conduct inspections of permitted sources and respond to complaints. The air inspector for this source is David Rice. Mr. Rice works out of IDEM's Indianapolis Central Office, 100 North Senate Ave., Indianapolis, IN 46204, telephone (317)232-8603, toll free (888) 451-6027. Environmental complaints may also be filed on-line at www.idem.IN.gov/5274.htm. or by calling IDEM's Complaint Coordinator at (800) 451-6027, ext. 2-4464. IDEM has forwarded Mrs. Dyer's comments to the air inspector.

No change will be made as a result of this comment.

No change will be made to the original TSD. The OAQ prefers that the TSD reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	**Cargill AgHorizons-Linden Grain Elevator**
Source Location:	**173 West County Road 1100 North, Linden, IN, 47955**
County:	**Montgomery**
SIC Code:	**2869, 5153**
Permit Renewal No.:	**T107-31890-00009**
Permit Reviewer:	**Julie Alexander**

The Office of Air Quality (OAQ) has reviewed the FESOP to Part 70 Operating Permit transition application from Cargill AgHorizons-Linden Grain Elevator relating to the operation of a stationary grain elevator, one source with an ethanol plant. On May 16, 2012, Cargill AgHorizons-Liden Grain Elevator submitted an application to the OAQ requesting to transition from a Federally Enforceable State Operating Permit to a Part 70 Operating Permit. Cargill AgHorizons-Liden Grain Elevator was issued its first FESOP Renewal F107-29227-00009 on December 28, 2010.

Source Definition

The following two (2) companies are located at the same location (173 West, Country Road 1100 North, Linden, Indiana 47955):

(a) Cargill AgHorizons – Linden Grain Elevator (Plant ID #107-00009), an existing grain elevator (SIC 5153), which started operation in 1972.

(b) Valero Renewable Fuels Company, LLC - Valero Linden Plant (Plant ID #107-00061), an ethanol production plant (SIC 2869). All the grain received at the ethanol plant will be from Cargill AgHorizons - Linden Grain Elevator.

Since these two (2) plants are located on adjacent property and have a supporting relationship, IDEM, OAQ has determined that these two (2) plants should be considered one (1) source for purposes of determining the potential to emit regulated air pollutants and applicable requirements under the Clean Air Act (as amended by the 1990 Clean Air Act Amendments), Title 40 of the Code of Federal Regulations (CFR), and Title 326 of the Indiana Administrative Code (IAC). Separate Part 70 Operating Permits have been issued to Plant #107-00009 and #107-00061 solely for administrative purposes. This permit covers the Cargill AgHorizons - Linden Grain Elevator plant (#107-00009).

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

(a) One (1) grain receiving operation, identified as EU101, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(1) One (1) truck dump pit, with a maximum capacity of 840 tons of grain per hour.

(2) One (1) truck/railcar dump pit, with a maximum capacity of 840 tons of grain per hour.

Under NSPS, Subpart DD, the grain receiving operation EU101 is considered a grain loading station.

(b) One (1) grain leg handling system, identified as EU102, constructed in 1972 and approved in 2007 and 2010 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of the following:

(1) Two (2) enclosed transfer legs associated with the grain dump pits, identified as Leg 1 and Leg 2, each with a maximum throughput rate of 840 tons of grain per hour.

(2) Two (2) enclosed transfer legs associated with the grain dryer, identified as Leg 3 and Leg 4, each with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the grain leg handling system EU102 is considered an affected grain handling operation.

(c) One (1) enclosed conveyor system, identified as EU103, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of the following:

(1) Four (4) enclosed conveyors, identified as C1, C2, C7, and C9, each with a maximum throughput rate of 840 tons of grain per hour.

(2) Five (5) enclosed conveyors which transfers grain to Valero Renewable Fuels Company, LLC - Valero Linden Plant, identified as EC1 through EC5, with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the enclosed conveyor system EU103 is considered an affected grain handling operation.

(d) One (1) drag conveyor system, identified as EU104, constructed in 1972 and approved in 2007 and 2010 for modification, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of six (6) enclosed drag conveyors (identified as Dry Drag 1 through Dry Drag 4, Wet Drag 1 and Wet Drag 2), each with a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the drag conveyor system EU104 is considered an affected grain handling operation.

(e) Seven (7) headhouse storage bins and one (1) metal storage tank, identified as EU105, constructed in 1972, with a total storage capacity of 725,625 bushels, and with a total maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

(f) Eight (8) annex storage bins, identified as EU106, constructed in 1979, with a total storage capacity of 557,800 bushels and with a total maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the annex storage bins identified as EU106 are considered an affected grain handling operation.

(g) One (1) natural gas-fired column grain dryer, identified as EU100, approved in 2010 for construction, with a maximum heat input capacity of 108 MMBtu/hr and a maximum throughput rate of 420 tons of grain per hour.

Under NSPS, Subpart DD, the natural gas-fired column grain dryer is considered an affected facility.

(h) Three (3) metal storage tanks, identified as FS104, constructed in 1972, with a total storage capacity of 1,850 bushels and a maximum total throughput rate of 560 tons of grain per hour.

(i) Three (3) storage tank conveyors, identified as FS103, constructed in 1972, each with a maximum throughput rate of 560 tons of grain per hour.

(j) One (1) grain loadout operation, identified as EU108, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(1) One (1) railcar loadout operation, with a maximum throughput rate of 1,120 tons of grain per hour.

(2) One (1) truck loadout operation, with a maximum throughput rate of 840 tons of grain per hour.

Under NSPS, Subpart DD, the grain loadout operation EU108 is considered an affected grain unloading station.

(k) One (1) annex bin reclaim conveyor, identified as C8, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the reclaim conveyor C8 is considered an affected grain handling operation

(l) One (1) enclosed headhouse distributor, identified as EU113, constructed in 1972 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the headhouse distributor EU113 is considered an affected grain handling operation.

(m) One (1) enclosed annex distributor, identified as EU114, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Under NSPS, Subpart DD, the annex distributor EU114 is considered an affected grain handling operation.

Emission Units and Pollution Control Equipment Removed From the Source

The source has removed the following emission units:

(a) One (1) tank reclaim conveyor, identified as C5, constructed in 1972 and modified in 2007, with a maximum throughput rate of 840 tons of grain per hour, controlled by baghouse BH2, with emissions exhausted through Stack EP120.

Insignificant Activities

The source also consists of the following insignificant activities:

(a) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.

(b) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(c) Paved roads and parking lots with public access.

(d) Other emission units, not regulated by a NESHAP, with PM10, NOx, and SO2 emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) tons per year of any combination of HAPs:

Outdoor grain storage, identified as EU111, with a total maximum throughput rate of 1,680,000 tons/yr, consisting of:

(1) Three (3) outdoor grain storage piles; and

(2) Multiple grain storage bags.

Existing Approvals

Since the issuance of the FESOP F107-29227-00009 on December 28, 2010, the source has constructed or has been operating under the following additional approvals:

No new approvals have been issued

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

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Montgomery County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.
[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM2.5.	

(a) Ozone Standards

Volatile organic compounds (VOC) and Nitrogen Oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to ozone. Montgomery County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) $PM_{2.5}$

Montgomery County has been classified as attainment for $PM_{2.5}$. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct $PM_{2.5}$ significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct $PM_{2.5}$ and SO_2 emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants

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

Fugitive Emissions

Cargill AgHorizons – Linden Grain Elevator (Plant ID #107-00009)

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

The effective date of NSPS, Subpart DD was August 3, 1978.

Note: The above-mentioned fugitive emissions evaluation is limited only to the grain elevator portion of the source. A separate and different fugitve emissions evaluation is determined for the ethanol production plant.

Valero Renewable Fuels Company, LLC - Valero Linden Plant (Plant ID #107-00061)

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

EPA published a final rule in the Federal Register on May 1, 2007, that excluded ethanol production facilities that produce ethanol through natural fermentation, from the major source category "Chemical Process Plants". Therefore, the fugitive emissions from ethanol production facilities are no longer counted toward determination of PSD, Emission Offset, and Part 70 Permit applicability.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Table 1	
Pollutant	Potential To Emit (tons/year)
PM	Greater than 250
PM10	Greater than 250
PM2.5	Greater than 250
SO_2	Less than 100
NO_x	Less than 100
VOC	Less than 100
CO	Less than 100
Single HAP	Less than 10
Combined HAPs	Less than 25
GHGs	Less than 100,000

Note: Table 1 shows the potential emissions of the grain elevator only.

Table 2	
Pollutant	Potential To Emit (tons/year)
PM	Greater than 250
PM_{10}	Greater than 250
$PM_{2.5}$	Greater than 250
SO_2	Less than 100
VOC	Greater than 250
CO	Greater than 250
NO_x	Greater than 250
Single HAP	Greater than 10
Combined HAPs	Greater than 25
GHGs	Greater than 100,00

Note: Table 2 shows the unrestricted potential emissions of the ethanol production plant and grain elevator.

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

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

(b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of GHGs is equal to or greater than one hundred thousand (100,000) tons of CO_2 equivalent emissions (CO_2e) per year. Therefore, the source is subject to the provisions of 326 IAC 2-7 and will be issued a Part 70 Operating Permit Renewal.

(c) This source has the potential to emit four hundred twenty-one thousand seven hundred ninety-four (421,794) tons of biogenic CO2 per year. On July 20, 2011 U.S. EPA issued a deferral of Biogenic CO2 emissions from PSD and Title V. Therefore, these CO2 emissions were not included in the listed GHG emissions.

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, because the source met the following:

(a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.

(b) Monitoring and related record keeping requirements which assume that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Potential to Emit After Issuance

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

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)									
	PM	PM_{10}*	$PM_{2.5}$**	SO_2	NO_x	VOC	CO	GHGs	Total HAPs	Worst Single HAP[1]
Cargill AgHorizons Elevator (107-00009)										
BH1 (Baghouse)	10.98	10.98	10.98	-	-	-	-	-	-	-
Grain Dryer	50.92	13.09	0.88	0.03	5.00	0.28	4.20	6,036	0.09	0.09 (Hexane)
Fugitive Emissions										
Outside Storage Piles	2.26	1.07	0.16	-	-	-	-	-	-	-
Tanks/Conveyors	72.24	33.85	5.80	-	-	-	-	-	-	-
Grain Receiving/Loadout	12.12	3.53	0.59	-	-	-	-	-	-	-
Total Fugitive	n/a	n/a	n/a	-	-	n/a	-	-	-	-
Total (non-Fugitive)	53.47	15.64	3.43	0.03	5.00	0.28	4.20	6,037	0.09	0.09
Total PTE of Cargill AgHorizons Linden Grain Elevator	**148.52**	**62.52**	**18.41**	**0.03**	**5.00**	**0.28**	**4.20**	**6,036**	**0.09**	**0.09** (Hexane)
Valero Linden Plant (107-00061)[3]										
Total PTE of Valero Renewable Fuels Company, LLC - Valero Linden Plant	**62.22**	**59.58**	**59.58**	**68.42**	**94.90**	**99.36**	**65.24**	**667,927**	**20.80**	**9.90** (Acetaldehyde)
Total PTE of Entire Source	**210.75**	**122.10**	**77.99**	**68.45**	**99.90**	**99.64**	**99.44**	**673,963**	**20.89**	**9.90** (Acetaldehyde)
Title V Major Source Thresholds	NA	100	100	100	100	100	100	100,000 CO_2e	25	10
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000 CO_2e	NA	NA

negl. = negligible
**$PM_{2.5}$ listed is direct $PM_{2.5}$.
[1] 451,794 tons of GHGs/yr are emitted from Valero's fermentation process; greenhouse gas emissions from biogenic processes are currently exempt from GHG regulations
[2] Worst-case HAP for Cargill AgHorizons Elevator is Hexane. Hexane is not included in total since Acetaldehyde, the worst-case HAP for Valero Renewable Fuels Company, LLC, is emitted at higher rate. Worst-case HAP for contingent source is Acetaldehyde.
[3] Emission were obtained from a Title V permit for Valero Linden Plant (107-00061) (Title V Permit No. T107-31939-00061).
*Fugitive emissions for Cargill AgHorizons - Linden Grain Elevator are counted toward the determination of Part 70, PSD, and Emission Offset applicability because the New Source Performance Standard Subpart DD was in effect on August 7, 1980.

(a) This existing source is not a major stationary source for PSD (326 IAC 2-2) because the emissions of each regulated pollutant, excluding GHGs, are less than two hundred fifty (<250) tons per year, GHGs emissions are greater than or equal to one hundred thousand (>100,000) tons per year, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1), and the source has not undertaken a physical change or change in the method of operation on or after July 1, 2011, that resulted in an emissions increase of seventy-five thousand (75,000) tons per year of CO_2e or more.

(b) On July 20, 2011 U.S. EPA issued a deferral of Biogenic CO_2 emissions from PSD and Title V. Therefore, these CO2 emissions were not included in the listed GHG emissions.

Federal Rule Applicability

(a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Emission Unit	Pollutant	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
EU101, EU102, EU103, EU104, EU105, EU106, EU108, C8, EU113, EU114	PM	Bag House (BH1)	Y	>250	<250	250	Y	N
EU101, EU102, EU103, EU104, EU105, EU106, EU108, C8, EU113, EU114	PM10	Bag House (BH1)	Y	>100	<100	100	Y	N
EU101, EU102, EU103, EU104, EU105, EU106, EU108, C8, EU113, EU114	PM2.5	Bag House (BH1)	Y	>100	<100	100	Y	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are applicable to EU101, EU102, EU103, EU104, EU105, EU106, EU108, C8, EU113, and EU114 for PM, PM10, PM2.5 upon issuance of the Title V Renewal. A CAM plan must be submitted as part of the Renewal application.

NSPS/NESHAPs

(a) This source was constructed, reconstructed, and modified emission units after August 3, 1978, that were considered part of an existing grain handling operation making it still subject to the New Source Performance Standard for Grain Elevators (40 CFR 60, Subpart DD), which is incorporated by reference as 326 IAC 12. The emision units subject to this rule include the following:

(1) One (1) grain receiving operation, identified as EU101, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(A) One (1) truck dump pit, with a maximum capacity of 840 tons of grain per hour.

(B) One (1) truck/railcar dump pit, with a maximum capacity of 840 tons of grain per hour.

(2) One (1) grain leg handling system, identified as EU102, and approved in 2007 and 2010 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of the following:

(A) Two (2) enclosed transfer legs associated with the grain dump pits, identified as Leg 1 and Leg 2, each with a maximum throughput rate of 840 tons of grain per hour.

(B) Two (2) enclosed transfer legs associated with the grain dryer, identified as Leg 3 and Leg 4, each with a maximum throughput rate of 420 tons of grain per hour.

(3) One (1) enclosed conveyor system, identified as EU103, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of the following:

(A) Four (4) enclosed conveyors, identified as C1, C2, C7, and C9, each with a maximum throughput rate of 840 tons of grain per hour.

(B) Five (5) enclosed conveyors which transfers grain to Valero Renewable Fuels Company, LLC - Valero Linden Plant, identified as EC1 through EC5, with a maximum throughput rate of 420 tons of grain per hour.

(4) One (1) drag conveyor system, identified as EU104, constructed in 1972 and approved in 2007 and 2010 for modification, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110, and consisting of six (6) enclosed drag conveyors (identified as Dry Drag 1 through Dry Drag 4, Wet Drag 1 and Wet Drag 2), each with a maximum throughput rate of 420 tons of grain per hour.

(5) Eight (8) annex storage bins, identified as EU106, constructed in 1979, with a total storage capacity of 557,800 bushels and with a total maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

(6) One (1) natural gas-fired column grain dryer, identified as EU100, constructed in 2010, with a maximum heat input capacity of 108 MMBtu/hr and a maximum throughput rate of 420 tons of grain per hour.

(7) One (1) grain loadout operation, identified as EU108, constructed in 1972 and approved in 2007 for modification, controlled by baghouse BH1, with emissions exhausted through Stack EP110, consisting of the following:

(A) One (1) railcar loadout operation, with a maximum throughput rate of 1,120 tons of grain per hour.

(B) One (1) truck loadout operation, with a maximum throughput rate of 840 tons of grain per hour.

(9) One (1) annex bin reclaim conveyor, identified as C8, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, controlled by baghouse BH1, with emissions exhausted through Stack EP110.

(10) One (1) enclosed headhouse distributor, identified as EU113, constructed in 1972 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

(11) One (1) enclosed annex distributor, identified as EU114, constructed in 1979 and approved in 2007 for modification, with a maximum throughput rate of 840 tons of grain per hour, indirectly controlled by baghouse BH1, with emissions exhausted through Stack EP110.

Nonapplicable portions of the NSPS will not be included in the permit. The emission units are subject to the following portions of Subpart DD:

- 40 CFR 60.300
- 40 CFR 60.301
- 40 CFR 60.302(a)(1), (b), (c)(1) - (3)
- 40 CFR 60.303
- 40 CFR 60.304

The requirements of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to EU100, EU101, EU102, EU103, EU104, EU106, EU108, EU114, EU113, C8 except as otherwise specified in 40 CFR 60, Subpart DD.

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this permit.

State Rule Applicability - Entire Source

326 IAC 2-2 (PSD)

In order to make the requirements of 326 IAC 2-2 (PSD) not applicable, the source shall comply with the following for Cargill AgHorizons (Plant #107-00009):

(1) The PM/PM10/PM2.5 emissions from the grain receiving (EU101), handling (EU102 - EU106, C8, EU113, and EU114), and loadout (EU108) operations shall not exceed the emission limits listed in the table below:

Unit ID	Unit Description	Control Device	PM/PM10/PM2.5 Emission Limit (lbs/hr) Utilizing Baghouse	PM/PM10/PM2.5 Emission Limit (lbs/hr) No Baghouse
EU101	Grain Receiving	Baghouse BH1	2.51	250.71
EU102 EU103 EU104 C8 EU113 EU114	Grain Handling			
EU105 EU106	Grain Storage			
EU108	Grain Loadout			

(2) The combined PM/PM10/PM2.5 emissions from emission units EU101 through EU108, C8, EU113, and EU114 shall be less than 10.98 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Note: The Grain Receiving, Grain Handling, Grain Storage, and Grain Loadout operations may operate while utilizing Baghouse BH1 or without the use of the baghouse. At no time shall the combined emissions for these operations exceed 10.98 tons per year. To ensure compliance with this limit, the source shall determine emissions according to the formula identified below.

The Permittee shall determine particulate emissions from emission units EU101 through EU108, C8, EU113, and EU114, according to the following formula:

$$\frac{E = U(PT_U) + C(PT_C)}{2{,}000 \text{ lbs/ton}}$$

where:
E = Tons of particulate emissions for a 12-month consecutive period
U = Uncontrolled Emission Rate (0.036 lb/ton) or the emission factor determined from the most recent valid stack test
C = Controlled Emission Rate (0.000364 lb/ton) or the emission factor determined from the most recent valid stack test
PT_U = Production Throughput (tons) while Baghouse BH1 is not operated
PT_C = Production Throughput (tons) while Baghouse BH1 is operated

(3) The Permittee shall comply with the following throughput rate limits:

Unit ID	Unit Description	Throughput Limits (tons of grain per twelve (12) consecutive month period)
FS104	Grain Storage Tanks	1,680,000
FS103	Storage Tank Conveyors	1,680,000
EU100	Grain Dryer	462,000

In conjunction with the above mentioned limits, the Permittee shall comply with the following emission limitations for PM/PM10/PM2.5 emissions:

Unit ID	Unit Description	PM Emission Limit (lbs/ton)	PM10 Emission Limit (lbs/ton)	PM2.5 Emission Limit (lbs/ton)
FS104	Grain Storage Tanks	0.025	0.0063	0.0011
FS103	Storage Tank Conveyors	0.061	0.0340	0.0058
EU100	Grain Dryer	0.22	0.055	0.0094

(4) The amount of natural gas combusted in the grain dryer (EU100) shall not exceed 100 million cubic feet (MMCF) per twelve (12) consecutive month period with compliance determined at the end of each month.

NOx emissions from the grain dryer (EU100) shall not exceed 100 pounds per million cubic foot (lbs/MMCF). At this rate and the above mentioned natural gas limit, the NOx emissions are equivalent to 5 tons/year.

CO emissions from the grain dryer (EU100) shall not exceed 84 pounds per million cubic foot (lbs/MMCF). At this rate and the above mentioned natural gas limit, the CO emissions are equivalent to 4.20 tons/year.

Compliance with these limits, combined with the potential to emit PM, PM10, PM2.5, NOx and CO from all other emission units of this source (Plant ID #107-000009) and the potential to emit PM, PM10, PM2.5, NOx and CO from Valero Renewable Fuels Company, LLC - Valero Linden Plant (Plant ID #107-00061), shall limit the source-wide total potential to emit of PM, PM10, PM2.5, NOx and CO to less than 250 tons per twelve (12) consecutive month period.

The source has an unrestricted potential to emit of GHGs (non-biogenic) of greater than 100,000 tons per year. However, GHGs for this existing source do not become subject to regulation, as defined by 326 IAC 2-2-1(zz), for PSD until the source "undertakes a physical change or change in the method of operation that will result in an emissions increase of seventy-five thousand (75,000) tpy CO_2e or more" on or after July 1, 2011. The source has not undertaken a physical change or change in the method of operation that resulted in an emissions increase of seventy-five thousand (75,000) tons per year of CO_2e or more. As a result, GHG's from this source is not presently subject to regulation under PSD.

Therefore, the requirements of 326 IAC 2-2 are rendered not applicable to the source.

326 IAC 1-6-3 (Preventive Maintenance Plan)
The source is subject to 326 IAC 1-6-3.

326 IAC 1-5-2 (Emergency Reduction Plans)
The source is subject to 326 IAC 1-5-2.

326 IAC 2-6 (Emission Reporting)
This source, not located in Lake, Porter, or LaPorte County, is subject to 326 IAC 2-6 (Emission Reporting) because it is required to have an operating permit pursuant to 326 IAC 2-7 (Part 70). The potential to emit of VOC and PM10 is less than 250 tons per year; and the potential to emit of CO, NOx, and SO2 is less than 2,500 tons per year. Therefore, pursuant to 326 IAC 2-6-3(a)(2), triennial reporting is required. An emission statement shall be submitted in accordance with the compliance schedule in 326 IAC 2-6-3 by July 1, 2013 and every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4

326 IAC 5-1 (Opacity Limitations)
This source is subject to the opacity limitations specified in 326 IAC 5-1-2(1)

326 IAC 6.5 PM (Limitations Except Lake County)
This source is not subject to 326 IAC 6.5 because it is not located in one of the following counties: Clark, Dearborn, Dubois, Howard, Marion, St. Joseph, Vanderburgh, Vigo or Wayne.

326 IAC 6-4 (Fugitive Dust Emissions)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emission Limitations), the source shall not generate fugitive dust to the extent that some portion of the material escapes beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
Pursuant to 326 IAC 6-5, the source shall continue to control fugitive particulate matter emissions according to their Fugitive Dust Control Plan, included as Attachment A to the permit.

326 IAC 6.8 PM (Limitations for Lake County)
This source is not subject to 326 IAC 6.8 because it is not located in Lake County.

State Rule Applicability – Individual Facilities

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from each of following operations shall not exceed the pound per hour limits listed in the table below:

Unit ID	Unit Description	Maximum Throughput Rate (tons/hr)	Control Device	326 IAC 6-3-2 Total Allowable Particulate Emission Rate (lbs/hr)
EU101	Dump Pit 1	840	Baghouse BH1	75.35
	Dump Pit 2	840		75.35
EU102	Grain Leg 1	840		75.35
	Grain Leg 2	840		75.35
	Grain Leg 3	420		66.89
	Grain Leg 4	420		66.89
EU103	Enclosed Conveyor C1	840		75.35
	Enclosed Conveyor C2	840		75.35
	Enclosed Conveyor C7	840		75.35
	Enclosed Conveyor C9	840		75.35
	Enclosed Conveyors EC1-EC5	420		66.89 (each)
EU104	Dry Drag 1	420		66.89
	Dry Drag 2	420		66.89
	Dry Drag 3	420		66.89
	Dry Drag 4	420		66.89
	Wet Drag 1	420		66.89
	Wet Drag 2	420		66.89
EU105	Headhouse Storage Bins 1-7 and one (1) metal storage tank	840		75.35 (each)
EU106	Annex Storage Bins 8-15	840		75.35 (each)
EU108	Railcar Grain Loadout Station	1,120		79.06
	Truck Grain Loadout Station	840		75.35
C8	Annex Bin Reclaim Conveyor	840		75.35
EU113	Headhouse Distributor	840		75.35
EU114	Annex Distributor	840		75.35
EU100	Grain Dryer	420	None	66.89
FS104	Each Metal Storage Tank	560	None	70.32 (each)
FS103	Each Storage Tank Conveyor	560	None	70.32 (each)

Interpolation 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:

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

Based on calculations when the process weight rate exceeds sixty thousand (60,000), no control devices are necessary to comply with these limits.

326 IAC 12 (New Source Performance Standards)
This source is subject to a New Standards of Performance 40 CFR 60, Subpart DD, for Grain Elevators. Therefore, the requirements of 326 IAC 12 are applicable because the rule incorporates by reference the provisions of 40 CFR 60, Subpart DD.

326 IAC 8-1-6 (New facilities; general reduction requirements)
No emissions units were constructed or modified at this source after January 1, 1980 with a potential to emit equal to or greater than twenty-five (25) tons of VOC per year. Therefore, 326 IAC 8-1-6 does not apply.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC *2-7* are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal

rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC *2-7-5*. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

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

The compliance determination applicable to this source are as follows:

Particulate Emissions:

In order to ensure compliance, the Permittee shall determine particulate emissions from emission units EU101 through EU106, EU108, C8, EU113, and EU114, according to the following formula:

$$\frac{E = U(PT_U) + C(PT_C)}{2{,}000 \text{ lbs/ton}}$$

where:

E = Tons of particulate emissions for a 12-month consecutive period
U = Uncontrolled Emission Rate (0.036 lb/ton) or the emission factor determined from the most recent valid stack test
C = Controlled Emission Rate (0.000364 lb/ton) or the emission factor determined from the most recent valid stack test
PT_U = Production Throughput (tons) while Baghouse BH1 is not operated
PT_C = Production Throughput (tons) while Baghouse BH1 is operated

Particulate Control:

(a) The Permittee shall operate baghouses BH1,which control the below listed emission units, as necessary, in order to ensure compliance.

Unit ID	Unit Description	Baghouse ID	Stack ID
EU101	Each Dump Pit	BH1	EP110
EU102	Grain Leg Handling	BH1	EP110
EU103	Enclosed Conveyor System	BH1	EP110
EU104	Drag Conveyor System	BH1	EP110
EU105	Each Headhouse Storage Bin and one (1) metal storage tank	BH1	EP110
EU106	Each Annex Storage Bin	BH1	EP110
EU108	Each Grain Loadout Station	BH1	EP110
C8	Annex Bin Reclaim Conveyor	BH1	EP110
EU113	Headhouse Distributor	BH1	EP110
EU114	Annex Distributor	BH1	EP110

(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.

Testing

Stack ID / Control ID	Timeframe for Testing	Pollutant(s)	Frequency of Testing
EP110 / BH1	Within five (5) years from the date of the most recent valid compliance demonstration	PM, PM10, PM2.5	Once every five (5) years

Note: The last valid stack tests were performed on December 18/19, 2007.

The monitoring requirements applicable to this source are as follows:

Stack ID / Control ID	Parameter	Frequency	Range	Excursions and Exceedances
EP110 / BH1	Visible Emissions	Daily	Normal - Abnormal	Response Steps
	Pressure Drop	Daily	1.0 - 6.0 Inches	

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, dust traces or triboflows.

These monitoring requirements are necessary because the baghouses must operate properly to ensure compliance with 326 IAC 6-3-2 (if applicable) and 326 IAC 2-7, and to render the requirements of 326 IAC 2-2 (PSD) not applicable.

Proposed Changes

The changes listed below have been made to FESOP (F107-31890-00009). These corrections, changes, and removals may include Title I changes (ex changes that add or modify synthetic minor emission limits). Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Changes Affecting Conditions Throughout the Permit

(a) *Multiple Conditions - Source Status*
Throughout the permit, language has been updated from the standard language for the FESOP to the current standard language for the Part 70 Permits.

(b) *Multiple Conditions - Rule References*
Rules have been changed to rules that are applicable to Part 70 Permits.

On October 1, 2010, revisions to Title 326 of the Indiana Administrative Code (IAC) were published in the Indiana Register. Some of the revisions affect the IAC references

included in the permit. The permit has been revised to reflect the revisions that were made to Title 326 of the IAC.

On October 27, 2010, the Indiana Air Pollution Control Board issued revisions to 326 IAC 2. These revisions resulted in changes to the rule sites listed in the permit. These changes are not changes to the underlining provisions. The change is only to site of these rules in Section A - General Information, Section A - Emission Units and Pollution Control Equipment Summary, Section A - Specifically Regulated Insignificant Activities, Section B - Preventative Maintenance Plan, Section B - Emergency Provisions, Section B - Operational Flexibility, Section C - Risk Management Plan, the Facility Descriptions, and Section D - Preventative Maintenance Plan.

(c) *Multiple Conditions - Authorized Individual References*
326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM, OAQ is revising all instances of "an authorized individual" to read "a responsible official".

(d) *Multiple Conditions - Certification Requirement References*
IDEM, OAQ has decided to clarify what rule requirements a certification needs to meet.

(e) *Multiple Conditions - Timeframe References*
IDEM, OAQ has decided that the phrases "no later than" and "not later than" are clearer than "within" in relation to the end of a timeline. Therefore, all references to timelines have been revised to "no later than" or "not later than" except for the timelines in subparagraphs (b)(4) and (b)(5) of Section B - Emergency Provisions and Section B - Annual Fee Payment, in which the underlying rules state "within".

(f) *Multiple Conditions - Typographical Errors, Language Clarification*
Throughout the permit, typographical and grammatical errors have been corrected. Additionally, changes to language for clarification or to align with the current preferred permit language conventions have been made.

Changes Specific to Section A of the Permit

(a) Section A.3 has been updated with the removal of BH2.

Section A of the permit has been revised as follows:

SECTION A SOURCE SUMMARY

A.1 General Information ~~[326 IAC 2-8-3(b)]~~ **[326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]**

The Permittee owns and operates a stationary grain elevator, one source with an ethanol plant

Source Address:	173 West County Road 1100 North, Linden, IN 47955
General Source Phone Number:	(765) 339-7251
SIC Code:	5153
County Location:	Montgomery
Source Location Status:	Attainment for all criteria pollutants

Source Status: **Part 70 Operating Permit**
~~Federally Enforceable State Operating Permit Program~~
Minor Source, under PSD and Emission Offset Rules
Greenhouse Gas (GHG) potential to emit (PTE) is equal to or more than one hundred thousand (100,000) tons of CO2 equivalent emissions (CO2e) per year
Minor Source, Section 112 of the Clean Air Act
Not 1 of 28 Source Categories

A.2 Source Definition ~~[326 IAC 2-8-1]~~ [326 IAC 2-7-1(22)]

***

A.3 Emission Units and Pollution Control Equipment Summary ~~[326 IAC 2-8-3(c)(3)]~~
[326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

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

(a) ***

(b) ***

(c) ***

(d) ***

(e) ***

(f) ***

(g) ***

(h) ***

(i) ***

(j) ***

~~(k) One (1) tank reclaim conveyor, identified as C5, constructed in 1972 and modified in 2007, with a maximum throughput rate of 840 tons of grain per hour, controlled by baghouse BH2, with emissions exhausted through Stack EP120.~~

~~Under NSPS, Subpart DD, the reclaim conveyor C5 is considered an affected grain handling operation.~~

(~~l~~k) ***

(~~m~~l) ***

(~~n~~m) ***

A.4 Insignificant Activities ~~[326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(I)]~~
[326 IAC 2-7-1(21)][326 IAC 2-7-4(c)][326 IAC 2-7-5(14)]

***

A.5 **Part 70 Permit** ~~FESOP~~ Applicability ~~[326 IAC 2-8-2]~~ **[326 IAC 2-7-2]**

This stationary source~~, otherwise~~ **is** 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) to renew a Federally Enforceable State Operating Permit (FESOP).~~ **by 326 IAC 2-7-2 (Applicability) because:**

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

Changes Specific to Section B and C of the Permit

(a) *Section B - Duty to Provide Information*
IDEM, OAQ has revised Section B - Duty to Provide Information by removing the statement that the submittal by the Permittee requires the certification by the "responsible official".

(b) *Section B - Certification*
IDEM, OAQ has decided to clarify Section B - Certification to be consistent with the rule and to clarify that Section B - Certification only states what a certification must be.

(c) *Section B - Preventive Maintenance Plan*
IDEM, OAQ has decided to clarify Section B - Preventive Maintenance Plan.

(d) *Section B - Emergency Provisions*
IDEM, OAQ is revising Section B - Emergency Provisions to delete paragraph (h). 326 IAC 2-7-5(3)(C)(ii) allows that deviations reported under an independent requirement do not have to be included in the Quarterly Deviation and Compliance Monitoring Report.

(e) *Section B- Permit Shield*
This section has been added as part of the status change.

(f) *Section B - Deviation from Permit Requirements and Section C - General Reporting Requirements*
IDEM, OAQ has decided that having a separate condition for the reporting of deviations is unnecessary. Therefore, Section B - Deviation from Permit Requirements and Conditions has been removed and the requirements of that condition have been added to Section C - General Reporting Requirements. Paragraph (d) of Section C - General Reporting Requirements has been removed because IDEM, OAQ already states the timeline and certification needs of each report in the condition requiring the report.

(g) *Section B - Permit Renewal*
IDEM, OAQ has decided to state which rule establishes the authority to set a deadline for the Permittee to submit additional information. Therefore, Section B - Permit Renewal has been revised.

(h) *Section B - Permit Revision Under Economic Incentives and Other Programs*
IDEM, OAQ has decided to state that no notice is required for approved changes in Section B - Permit Revision Under Economic Incentives and Other Programs.

(i) *Section B - Operational Flexibility*
This section has been changed as part of the status change

(j) *Section B - Source Modification Requirement*
IDEM, OAQ has decided to reference 326 IAC 2 in Section B - Source Modification Requirement rather than the specific construction rule.

(k) *Section C - Overall Source Limit*
This section has been removed as part of the status change.

(l) *Section C - Fugitive Particulate Matter Emission Limitations*
This section has been changed as part of the status change.

(m) *Section C*- Stack Height
This section has been changed as part of the status change.

(n) *Section C - Asbestos Abatement Projects*
IDEM, OAQ has revised paragraph (g) of Section C - Asbestos Abatement Projects to match the rule language in 326 IAC 14-10-1(a).

(o) *Section C - Performance Testing*
IDEM, OAQ has removed the first paragraph of Section C - Performance Testing due to the fact that specific testing conditions elsewhere in the permit will specify the timeline and procedures.

(p) *Section C - Compliance Monitoring*
IDEM, OAQ has revised Section C - Compliance Monitoring. The reference to recordkeeping has been removed due to the fact that other conditions already address recordkeeping. The voice of the condition has been changed to clearly indicate that it is the Permittee that must follow the requirements of the condition. IDEM, OAQ has decided to clarify the Permittee's responsibility under CAM

(q) *Section C - Monitoring Methods*
IDEM, OAQ has removed Section C - Monitoring Methods. The conditions that require the monitoring or testing, if required, state what methods shall be used.

(r) *Section C - Emergency Reduction Plans*
This section has been changed as part of the status change.

(s) *Section C - Emission Statement*
This section has been added as part of the status change.

(t) *Section C - General Record Keeping Requirements*
The voice of paragraph (b) of Section C - General Record Keeping Requirements has been changed to clearly indicate that it is the Permittee that must follow the requirements of the paragraph. IDEM, OAQ has clarified the Permittee's responsibility with regards to record keeping. IDEM, OAQ has clarified the interaction of the Quarterly Deviation and Compliance Monitoring Report and the Emergency Provisions. IDEM, OAQ has decided to clarify the Permittee's responsibility under CAM.

On October 27, 2010, the Indiana Air Pollution Control Board issued revisions to 326 IAC 2. These revisions included the incorporation of the U.S. EPA's definition of reasonable possibility. The permit previously sited to the EPA definition. Also, the revisions resulted in changes to other rule sites listed in the permit. Neither of these changes are changes to the underlining provisions. The change is only to site of these rules in Section C - General Reporting and Section C - General Recordkeeping.

(u) *Section C - General Reporting Requirements*

This section has been changed as part of the status change.

(v) *Section C - Compliance with 40 CFR 82 and 326 IAC 22-1*
IDEM, OAQ has decided to simplify the referencing in Section C - Compliance with 40 CFR 82 and 326 IAC 22-1.

Section B and C of the permit has been revised as follows:

SECTION B GENERAL CONDITIONS

B.1 Definitions ~~[326 IAC 2-8-1]~~ **[326 IAC 2-7-1]**

***

B.2 Permit Term ~~[326 IAC 2-8-4(2)]~~[326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]
[326 IAC 2-7-5(2)][326 IAC 2-7-4(a)(1)(D)]

(a) This permit, ~~F107-29227-00009~~ **T107-31890-00009**, is issued for a fixed term of ~~ten (10)~~five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, **including any permit shield provided in 326 IAC 2-7-15,** until the renewal permit has been issued or denied.

B.4 Enforceability [326 IAC 2-~~8-6~~**-7-7**] [IC 13-17-12]

***

B.5 Severability [326 IAC 2~~-8-4(4)~~**-7-5(5)**]

***

B.6 Property Rights or Exclusive Privilege [326 IAC 2~~-8-4(5)~~**-7-5(6)**(D)]

***

B.7 Duty to Provide Information [326 IAC 2~~-8-4(5)~~ **-7-5(6)**(E)]

***

B.8 Certification ~~[326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]~~
[326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by this permit meets the requirements of 326 IAC ~~2-8-5(a)(1)~~**2-7-6(1)** if:

(1) it contains a certification by a~~n~~ "a~~uthorized individual~~ **responsible official**", as defined by 326 IAC ~~2-1.1-1(1)~~ **2-7-1(34)**, and

(2) ***

(b) ***

(c) An "~~authorized individual~~ **responsible official**" is defined at 326 IAC ~~2-1.1-1(1)~~ **2-7-1(34).**

B.9 Annual Compliance Certification ~~[326 IAC 2-8-5(a)(1)]~~ **[326 IAC 2-7-6(5)]**

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. **The initial** ~~All~~ certifications shall cover the time period from **the date of final permit issuance through** ~~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 and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

(b) ***

(c) The annual compliance certification report shall include the following:

(1) ***

(2) ***

(3) ***

(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~~**-7-5**(3); and

(5) ***

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2~~-8-5(a)~~**-7-6**(1) by a~~n~~ "~~authorized individual~~ **responsible official**" as defined by 326 IAC 2~~-1.1-1(1).~~**-7-1(34).**

~~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~~**10** Preventive Maintenance Plan [326 IAC 1-6-3]~~[326 IAC 2-8-4(9)]~~~~[326 IAC 2-8-5(a)(1)]~~**[326 IAC 2-7-5(12)]**

(a) ***

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

(1) ***

(2) ***

(3) ***

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

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

The PMP extension notification does not require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official"** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**

(d) ***

B.~~12~~**11** Emergency Provisions [326 IAC ~~2-8-12~~]**2-7-16]**

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation ~~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) ***

(2) ***

(3) ***

(4) ***

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

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

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

The notice fulfills the requirement of ~~326 IAC 2-8-4(3)(C)(ii)~~**326 IAC 2-7-5(3)(C)(ii)** and must contain the following:

(A) ***

(B) ***

(C) ***

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official"** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

(6) ***

(c) ***

(d) ***

(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)~~ **326 IAC 2-7-4(c)(8)** 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~~**7** 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.~~

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

(a) All terms and conditions of permits established prior to ~~F~~**T**107~~-29227-~~**-31890-**00009 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) ***

(2) revised, **under 326 IAC 2-7-10.5** or

(3) Deleted **under 326 IAC 2-7-10.5.**

(b) **Provided that all terms and conditions are accurately reflected in this permit,** all previous registrations and permits are superseded by this ~~permit~~ **Part 70 operating permit.**

B.14 Termination of Right to Operate ~~[326 IAC 2-8-9][326 IAC 2-8-3(h)]~~
[326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with ~~326 IAC 2-8-3(h) and 326 IAC 2-8-9~~**326 IAC 2-7-3 and 326 IAC 2-7-4(a).**

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination
~~[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]~~
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a ~~Federally Enforceable State Operating~~ **Part 70 Operating** Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official"** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**..

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) ***

(2) ***

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. ~~[326 IAC 2-8-8(a)]~~ **[326 IAC 2-7-9(a)(3)]**

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. ~~[326 IAC 2-8-8(b)]~~ **[326 IAC 2-7-9(b)]**

(d) The reopening and revision of this permit, under ~~326 IAC 2-8-8(a),~~ **326 IAC 2-7-9(a),** shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. ~~[326 IAC 2-8-8(c)]~~ **[326 IAC 2-7-9(c)]**

B.16 Permit Renewal ~~[326 IAC 2-8-3(h)]~~ **[326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]**

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in ~~326 IAC 2-8-3~~ **326 IAC 2-7-4**. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

Request for renewal shall be submitted to:

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

(b) ***

(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~~ **326 IAC 2-7** until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to ~~326 IAC 2-8-3(g)~~, **326 IAC 2-7-4(a)(2)(D),** in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Revision ~~[326 IAC 2-8-10][326 IAC 2-8-11.1]~~
[326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and revisions are governed by the requirements of ~~326 IAC 2-8-10 or 326 IAC 2-8-11.1~~ **326 IAC 2-7-11 or 326 IAC 2-7-12** whenever the Permittee seeks to amend or modify this permit.

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

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

Any such application does require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. ~~[326 IAC 2-8-10(b)(3)]~~ **[326 IAC 2-7-11(c)(3)]**

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.~~18~~**19** Operational Flexibility ~~[326 IAC 2-8-15][326 IAC 2-8-11.1]~~ **[326 IAC 2-7-20][326 IAC 2-7-10.5]**

(a) The Permittee may make any change or changes at the source that are described in ~~326 IAC 2-8-15(b) through (d)~~ **326 IAC 2-7-20(b) or (c)** without a prior permit revision, if each of the following conditions is met:

(1) ***

(2) Any approval required by 326 IAC ~~2-8-11.1~~ **2-7-10.5** has been obtained;

(3) ***

(4) ***

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to **326 IAC 2-7-20(b)(1) and (c)(1).** ~~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 2-7-20(b)(1) and (c)(1).**

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

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(~~b~~**c**) Emission Trades ~~[326 IAC 2-8-15(c)]~~ **[326 IAC 2-7-20(c)]**
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in ~~326 IAC 2-8-15(c).~~ **326 IAC 2-7-20(c).**

(~~c~~**d**) Alternative Operating Scenarios ~~[326 IAC 2-8-15(d)]~~ **[326 IAC 2-7-20(d)]**
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with ~~326 IAC 2-8-4(7).~~ **326 IAC 2-7-5(9).** No prior notification of IDEM, OAQ, or U.S. EPA is required.

(~~d~~**e**) ***

B.~~19~~**20** Source Modification Requirement ~~[326 IAC 2-8-11.1]~~ **[326 IAC 2-7-10.5]**
***

B.~~20~~**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] **[326 IAC 2-7-6]**
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~~ **Part 70** source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, ~~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) ***

B.~~21~~**22** Transfer of Ownership or Operational Control ~~[326 IAC 2-8-10]~~ **[326 IAC 2-7-11]**

(a) The Permittee must comply with the requirements of ~~326 IAC 2-8-10~~**326 IAC 2-7-11** whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) ***

Any such application does require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by an "authorized ~~individual~~ **official"** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. ~~[326 IAC 2-8-10(b)(3)]~~ **[326 IAC 2-7-11(c)(3)]**

B.~~22~~**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] **[326 IAC 2-7-5(7)]**

(a) The Permittee shall pay annual fees to IDEM, OAQ ~~no later than~~ **within** thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) **Except as provided in 326 IAC 2-7-19(e),** failure to pay may result in administrative enforcement action or revocation of this permit.

(c) ***

B.~~23~~**24** Credible Evidence ~~[326 IAC 2-8-4(3)][326 IAC 2-8-5]~~ [62 FR 8314] [326 IAC 1-1-6] **[326 IAC 2-7-5(3)][326 IAC 2-7-6]**

***

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards ~~[326 IAC 2-8-4(1)]~~ [326 IAC 2-7-5(1)]

~~C.2 Overall Source Limit [326 IAC 2-8]~~

~~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.~~

~~(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) Pursuant to 326 IAC 2-2 (PSD), 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.~~

~~(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~~**2** Opacity [326 IAC 5-1]

***

C.~~4~~**3** Open Burning [326 IAC 4-1] [IC 13-17-9]

***

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

***

C.~~6~~**5** Fugitive Dust Emissions [326 IAC 6-4]

***

C.~~7~~**6** Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the attached plan as in Attachment A. **The provisions of 326 IAC 6-5 are not federally enforceable.**

C.~~8~~**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. **The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.**

C.~~9~~**8** Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) ***

(b) ***

(c) ***

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

(e) ***

(f) ***

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

Testing Requirements ~~[326 IAC 2-8-4(3)]~~ [326 IAC 2-7-6(1)]

C.~~10~~**9** Performance Testing [326 IAC 3-6]

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

(c) ***

Compliance Requirements [326 IAC 2-1.1-11]

C.1~~1~~**0** Compliance Requirements [326 IAC 2-1.1-11]

***

Compliance Monitoring Requirements ~~[326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]~~ [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.1~~2~~**3** Compliance Monitoring ~~[326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]~~ **[326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]**

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

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

C.1~~3~~**2** Instrument Specifications [326 IAC 2-1.1-11] ~~[326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]~~ **[326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

****

Corrective Actions and Response Steps ~~[326 IAC 2-8-4][326 IAC 2-8-5(a)(1)]~~ [326 IAC 2-7-5][326 IAC 2-7-6]

C.1~~4~~**3** Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

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

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

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

no later than ninety (90) days after the date of issuance of this permit.

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

~~(a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.~~

(b) ***]

C.15~~4~~ Risk Management Plan ~~[326 IAC 2-8-4]~~ [40 CFR 68] **[326 IAC 2-7-5(12)]**

***

C.16~~5~~ Response to Excursions or Exceedances ~~[326 IAC 2-8-4] [326 IAC 2-8-5]~~ **[326 IAC 2-7-5] [326 IAC 2-7-6]**

***

C.17~~6~~ Actions Related to Noncompliance Demonstrated by a Stack Test ~~[326 IAC 2-8-4][326 IAC 2-8-5]~~ **[326 IAC 2-7-5][326 IAC 2-7-6]**

(a) ***

(b) ***

(c) ***

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

Record Keeping and Reporting Requirements ~~[326 IAC 2-8-4(3)]~~ [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

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

In accordance with the compliance schedule in 326 IAC 2-6-3(b)(2), starting in 2005 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

C.18 General Record Keeping Requirements ~~[326 IAC 2-8-4(3)] [326 IAC 2-8-5]~~ **[326 IAC 2-7-5(3)] [326 IAC 2-7-6]**

(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. **Support information includes the following:**

(AA) All calibration and maintenance records.

(BB) All original strip chart recordings for continuous monitoring instrumentation.
(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following:
(AA) The date, place, as defined in this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.
(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

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) ***

C.19 General Reporting Requirements ~~[326 IAC 2-8-4(3)(C)]~~ [326 IAC 2-1.1-11] **[326 IAC 2-7-5(3)(C)]**

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. **Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph.** Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**. A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) ***

(c) ***

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

Changes Specific to Section D and E of the Permit

(a) Section D.1 has been updated to reflect the new Part 70 language.

(b) Condition D.1.1 has been updated with the new Part 70 limits.

(c) Condition D.1.2 has been removed.

(d) BH2 has been removed.

(e) The emission units list for Section E.1 has been updated.

Sections D and E of the permit have been revised as follows:

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) ***

(b) ***

(c) ***

(d) ****

(e) ***

(f) ***

(g) ***

(h) ***

(i) ***

(j) ***

~~(k) One (1) tank reclaim conveyor, identified as C5, constructed in 1972 and modified in 2007, with a maximum throughput rate of 840 tons of grain per hour, controlled by baghouse BH2, with emissions exhausted through Stack EP120.~~

~~Under NSPS, Subpart DD, the reclaim conveyor C5 is considered an affected grain handling operation.~~

(~~j~~**k**) ***

(~~k~~**l**) ***

(~~l~~**m**) ***

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

Emission Limitations and Standards ~~[326 IAC 2-8-4(1)]~~ [326 IAC 2-7-5(1)]

D.1.1 PSD Minor Limitations [326 IAC 2-2]

(a) The PM emissions from the grain receiving (EU101), handling (EU102 - EU106, C8, ~~C5,~~ EU113, and EU114), and loadout (EU108) operations shall not exceed the emission limits listed in the table below:

Unit ID	Unit Description	Control Device	PM/**PM10/PM2.5** Emission Limit (lbs/hr) Utilizing Baghouse	PM/**PM10/PM2.5** Emission Limit (lbs/hr) No Baghouse
EU101	Grain Receiving	Baghouse BH1	~~0.58~~ **2.51**	~~58.29~~ **250.71**
EU102 EU103 EU104 C8 EU113 EU114	Grain Handling			
EU105 EU106	Grain Storage			
EU108	Grain Loadout			
~~C5~~	~~Tank Reclaim Conveyor~~	~~Baghouse BH2~~	~~0.43~~	~~N/A*~~

~~Note: *Tank Reclaim Conveyor C5 is fully enclosed and located underground. When Baghouse BH2 is not in operation, there are no emission point exhausts from this unit.~~

(b) Combined PM emissions from emission units EU101 through EU106, EU108, C8, EU113, and EU114 shall be less than **10.98**~~2.55~~ tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Note: The Grain Receiving, Grain Handling, Grain Storage, and Grain Loadout operations may operate while utilizing Baghouse BH1 or without the use of the baghouse. At no time shall the combined emissions for these operations exceed **10.98**~~2.55~~ tons per year. To ensure compliance with this limit, the source shall determine emissions according to the formula identified in Condition D.1.~~5~~.**4**

(c) The Permittee shall comply with the following throughput rate limits:

Unit ID	Unit Description	Throughput Limits (tons of grain per twelve (12) consecutive month period)
FS104	Grain Storage Tanks	~~700,000~~ **1,680,000**
FS103	Storage Tank Conveyors	~~700,000~~ **1,680,000**
EU100	Grain Dryer	~~420,000~~ **462,000**

In conjunction with the above mentioned limits, the Permittee shall comply with the following emission limitations for PM emissions:

Unit ID	Unit Description	PM Emission Limit (lbs/ton)
FS104	Grain Storage Tanks	0.025
FS103	Storage Tank Conveyors	0.061
EU100	Grain Dryer	0.22

(d) The amount of natural gas combusted in the grain dryer (EU100) shall not exceed 100 million cubic feet (MMCF) per twelve (12) consecutive month period with compliance determined at the end of each month.

(e) NOx emissions from the grain dryer (EU100) shall not exceed 100 pounds per million cubic foot (lbs/MMCF).

(f) CO emissions from the grain dryer (EU100) shall not exceed 84 pounds per million cubic foot (lbs/MMCF).

Compliance with these limits~~, combined with the potential to emit~~ **in conjunction with the** PM**, PM10, PM2.5, NOx, and CO** ~~from all other emission units from this source (Plant ID #107-00009)~~ and ~~the potential to emit PM~~ **the limits in** ~~from~~ Valero Renewable Fuels Company, LLC - Valero Linden Plant (Plant ID #107-00061) **and from Cargill AgHorizons – Linden Grain Elevator (Plant ID #107-00009)**, shall limit the ~~source-wide total potential to emit of~~ PM**, PM10, PM2.5, NOx, and CO emissions from the entire source** to less than 250 tons per **twelve** (12) consecutive month period and **therefore,** ~~shall~~ render **the requirements of** 326 IAC 2-2 (PSD) not applicable.

~~D.1.2 FESOP Limitations [326 IAC 2-8-4] [326 IAC 2-2]~~

~~The Permittee shall comply with the following limits:~~

~~(a) The PM10 and PM2.5 emissions from the grain receiving (EU101), handling (EU102 - EU106, C8, C5, EU113, and EU114), and loadout (EU108) operations shall not exceed the emission limits listed in the table below:~~

~~Unit ID~~	~~Unit Description~~	~~Control Device~~	~~PM10 Emission Limit (lbs/hr) Utilizing Baghouse~~	~~PM2.5 Emission Limit (lbs/hr) Utilizing Baghouse~~	~~PM10 Emission Limit (lbs/hr) No Baghouse~~	~~PM2.5 Emission Limit (lbs/hr) No Baghouse~~
~~EU101~~	~~Grain Receiving~~	~~Baghouse BH1~~	~~0.58~~	~~0.58~~	~~58.29~~	~~58.29~~
~~EU102 EU103 EU104 C8 EU113 EU114~~	~~Grain Handling~~					
~~EU105 EU106~~	~~Grain Storage~~					
~~EU108~~	~~Grain Loadout~~					
~~C5~~	~~Tank Reclaim Conveyor~~	~~Baghouse BH2~~	~~0.43~~	~~0.43~~	~~N/A*~~	~~N/A*~~

~~Note: *Tank Reclaim Conveyor C5 is fully enclosed and located underground. When Baghouse BH2 is not in operation, there are no emission point exhausts from this unit.~~

~~(b) The combined PM10 and PM2.5 emissions from emission units EU101 through EU106, EU108, C8, EU113, and EU114 shall be less than 2.55 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.~~

~~Note: The Grain Receiving, Grain Handling, Grain Storage, and Grain Loadout operations may operate while utilizing Baghouse BH1 or without the use of the baghouse. At no time shall the combined emissions for these operations exceed 2.55 tons per year. To ensure compliance with this limit, the source shall determine emissions according to the formula identified in Condition D.1.5.~~

~~(c) The Permittee shall comply with the following throughput rate limits:~~

~~Unit ID~~	~~Unit Description~~	~~Throughput Limits (tons of grain per twelve (12) consecutive month period)~~
~~FS104~~	~~Grain Storage Tanks~~	~~700,000~~
~~FS103~~	~~Storage Tank Conveyors~~	~~700,000~~
~~EU100~~	~~Grain Dryer~~	~~420,000~~

~~In conjunction with the above mentioned limits, the Permittee shall comply with the following emission limitations for PM10 and PM2.5 emissions:~~

~~Unit ID~~	~~Unit Description~~	~~PM10 Emission Limit (lbs/ton)~~	~~PM2.5 Emission Limit (lbs/ton)~~
~~FS104~~	~~Grain Storage Tanks~~	~~0.0063~~	~~0.0063~~
~~FS103~~	~~Storage Tank Conveyors~~	~~0.0340~~	~~0.0340~~
~~EU100~~	~~Grain Dryer~~	~~0.0550~~	~~0.0550~~

~~(d) The amount of natural gas combusted in the grain dryer (EU100) shall not exceed 80 million cubic feet (MMCF) per twelve (12) consecutive month period with compliance determined at the end of each month.~~

~~(e) NOx emissions from the grain dryer (EU100) shall not exceed 100 pounds per million cubic foot (lbs/MMCF).~~

~~(f) CO emissions from the grain dryer (EU100) shall not exceed 84 pounds per million cubic foot (lbs/MMCF).~~

~~Compliance with these limits, combined with the potential to emit PM, PM10, PM2.5, NOx, and CO from all other emission units from this source (Plant ID #107-00009) and the potential to emit PM and PM10 from Valero Renewable Fuels Company, LLC - Valero Linden Plant (Plant ID #107-00061), shall limit the source-wide total potential to emit of PM10, PM2.5, NOx, and CO to less than 100 tons per 12 consecutive month period, and shall render 326 IAC 2-7 (Part 70 Permits) and 326 IAC 2-2 (PSD) not applicable.~~

D.1.~~3~~**2** Particulate Emission Limitations [326 IAC 6-3-2]

The Permittee shall comply with the following limits:

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from each of following operations shall not exceed the pound per hour limits listed in the table below:

Unit ID	Unit Description	Maximum Throughput Rate (tons/hr)	Control Device	326 IAC 6-3-2 Total Allowable Particulate Emission Rate (lbs/hr)
EU101	Dump Pit 1	840	Baghouse BH1	75.35
	Dump Pit 2	840		75.35
EU102	Grain Leg 1	840		75.35
	Grain Leg 2	840		75.35
	Grain Leg 3	420		66.89
	Grain Leg 4	420		66.89
EU103	Enclosed Conveyor C1	840		75.35
	Enclosed Conveyor C2	840		75.35
	Enclosed Conveyor C7	840		75.35
	Enclosed Conveyor C9	840		75.35
	Enclosed Conveyors EC1-EC5	420		66.89 (each)
EU104	Dry Drag 1	420		66.89
	Dry Drag 2	420		66.89
	Dry Drag 3	420		66.89
	Dry Drag 4	420		66.89
	Wet Drag 1	420		66.89
	Wet Drag 2	420		66.89
EU105	Headhouse Storage Bins 1-7 and one (1) metal storage tank	840		75.35 (each)
EU106	Annex Storage Bins 8-15	840		75.35 (each)
EU108	Railcar Grain Loadout Station	1,120		79.06
	Truck Grain Loadout Station	840		75.35
C8	Annex Bin Reclaim Conveyor	840		75.35

Unit ID	Unit Description	Maximum Throughput Rate (tons/hr)	Control Device	326 IAC 6-3-2 Total Allowable Particulate Emission Rate (lbs/hr)
EU113	Headhouse Distributor	840		75.35
EU114	Annex Distributor	840		75.35
~~C5~~	~~Tank Reclaim Conveyor~~	~~840~~	~~Baghouse BH2~~	~~75.35~~
EU100	Grain Dryer	420	N/A	66.89
FS104	Each Metal Storage Tank	560	N/A	70.32 (each)
FS103	Each Storage Tank Conveyor	560	N/A	70.32 (each)

The pounds per hour limitations were calculated using the following equation:

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:

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

Pursuant to 326 IAC 6-3-2(e)(3), when the process weight exceeds 200 tons per hour, the maximum allowable emission may exceed the emission limits shown in the table above, provided the concentration of particulate matter in the gas discharged to the atmosphere is less than 0.10 pounds per 1,000 pounds of gases.

D.1.~~4~~**3** Preventive Maintenance Plan ~~[326 IAC 2-8-4(9)]~~ **[326 IAC 2-7-5(12)]**

***

Compliance Determination Requirements

D.1.~~5~~**4** Particulate Emissions

In order to ensure compliance with Condition~~s~~ D.1.1(b) ~~and D.1.2(b),~~the Permittee shall determine particulate emissions from emission units EU101 through EU106, EU108, C8, EU113, and EU114, according to the following formula:

$$\frac{E = U(PT_U) + C(PT_C)}{2{,}000 \text{ lbs/ton}}$$

where:
E = Tons of particulate emissions for a 12-month consecutive period
U = Uncontrolled Emission Rate (0.036 lb/ton) or the emission factor determined from the most recent valid stack test
C = Controlled Emission Rate (0.000364 lb/ton) or the emission factor determined from the most recent valid stack test
PT_U = Production Throughput (tons) while Baghouse BH1 is not operated
PT_C = Production Throughput (tons) while Baghouse BH1 is operated

D.1.~~6~~**5** Particulate Control

(a) The Permittee shall operate baghouses BH1 ~~and BH2~~, which control the below listed emission units, as necessary, in order to ensure compliance with Condition~~s~~ D.1.1, ~~D.1.2(a), D.1.2(b), and D.1.2(c).~~

Unit ID	Unit Description	Baghouse ID	Stack ID
EU101	Each Dump Pit	BH1	EP110
EU102	Grain Leg Handling	BH1	EP110
EU103	Enclosed Conveyor System	BH1	EP110
EU104	Drag Conveyor System	BH1	EP110
EU105	Each Headhouse Storage Bin and one (1) metal storage tank	BH1	EP110
EU106	Each Annex Storage Bin	BH1	EP110
EU108	Each Grain Loadout Station	BH1	EP110
C8	Annex Bin Reclaim Conveyor	BH1	EP110
~~C5~~	~~Tank Reclaim Conveyor~~	~~BH2~~	~~EP120~~
EU113	Headhouse Distributor	BH1	EP110
EU114	Annex Distributor	BH1	EP110

(b) ***

D.1.~~7~~**6** Testing Requirements ~~[326 IAC 2-8-5(a)(1),(4)]~~ [326 IAC 2-1.1-11]

(a) In order to demonstrate compliance with Conditions D.1.1(a) and D.1.1(b), the Permittee shall perform PM**, PM10, PM2.5**, testing for baghouse~~s~~ BH1 ~~and BH2~~ **utilizing methods as approved by the Commissioner at least once every** ~~not later than~~ five (5) years **from** ~~after~~ the date of the most recent valid compliance demonstration~~, utilizing methods as approved by the Commissioner~~. ~~These tests shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.~~

~~(b) In order to demonstrate compliance with Conditions D.1.2(a) and D.1.2(b), the Permittee shall perform PM10 and PM2.5 testing for baghouses BH1 and BH2 not later than five (5) years after the date of the most recent valid compliance demonstration, or within one hundred eighty (180) days of publication of the new or revised condensible PM test method(s) referenced in the U.S. EPA's Final Rule for Implementation of the New Source Review (NSR) Program for Particulate Matter Less Than 2.5 Micrometers (PM2.5), signed on May 8th, 2008, whichever is later, utilizing methods as approved by the Commissioner. These tests shall be repeated at least once every five (5) years from the date of the most recent valid compliance demonstration.~~ PM-10 and PM-2.5 includes filterable and condensible PM~~-10 and PM-2.5~~.

Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C – Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition. ~~PM-10 and PM2.5 includes filterable and condensible particulate matter.~~

Compliance Monitoring Requirements ~~[326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]~~ [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

D.1.~~8~~**7** Visible Emissions Notations

The Permittee shall comply with the following:

(a) Visible emission notations of the baghouse stack exhausts (stacks EP110 ~~and EP120~~) shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) ***

(c) ***

(d) ***

(e) If abnormal emissions are observed, the Permittee shall take **a** reasonable response ~~steps~~. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.1.~~9~~**8** Parametric Monitoring

The Permittee shall record the pressure drop across each of the baghouses (BH1 ~~and BH2~~) used in conjunction with the grain receiving operation (EU101), the grain handling operations (EU102 through EU106, C8, ~~C5,~~ EU113, and EU114) and the grain loadout operation (EU108), at least once per day when ~~these~~ **the associated emission** units are in operation. When, for any one reading, the pressure drop across the baghouse is outside the normal range **the Permittee shall take a reasonable response. The normal range for this unit is a pressure drop between** ~~of~~ 1.0 to 6.0 inches of water ~~or a range established~~ **unless a different upper-bound or lower-bound value for this range is determined** during the latest stack test~~, the Permittee shall take reasonable response steps~~. Section C – Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

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

D.1.~~10~~**9** Broken or Failed Bag Detection

***

Record Keeping and Reporting Requirement ~~[326 IAC 2-8-4(3)] [326 IAC 2-8-16]~~ [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.1~~1~~**0** Record Keeping Requirements

(a) To document the compliance status with Conditions D.1.1(b) ~~and D.1.2(b)~~, the Permittee shall maintain monthly records of the following:

(1) ***

(2) ***

(b) To document the compliance status with Conditions D.1.1(c) ~~and D.1.2(c)~~, the Permittee shall maintain monthly records of the following:

(1) ***

(2) ***

(3) ***

~~(c) To document the compliance status with Condition D.1.2(d), the Permittee shall maintain monthly records of natural gas usage in the grain dryer (EU100).~~

(~~d~~**c**) To document the compliance status with Condition D.1.~~8~~**7**, the Permittee shall maintain a daily record of visible emission notations for each of the baghouse stack 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~~**d**) To document the compliance status with Condition D.1.~~9~~**8**, the Permittee shall maintain a daily record of pressure drop for each of the baghouses during normal operation. 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~~**e**) Section C - General Record Keeping Requirements **of this permit** contains the Permittee's obligation with regard to the recordkeeping requirements **by this condition**. ~~of this requirement.~~

D.1.1~~2~~**1** Reporting Requirements

A quarterly summary of the information to document the compliance status with Conditions D.1.1(b),**and** D.1.1(c~~), D.1.2(b), D.1.2(c), and D.1.2(d)~~ shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of ~~326 IAC 2-8-5(a)(1)~~ **326 IAC 2-7-6(1)** by a~~n~~ "a~~uthorized individual~~ **responsible official "** as defined by ~~326 IAC 2-1.1-1(1).~~ **326 IAC 2-7-1(34)**.

SECTION E.1 SOURCE OPERATION CONDITIONS

Facility Description [~~326 IAC 2-8-4(10)]:~~ [326 IAC 2-7-5(14)]:

(a) ***

(b) ***

(d) ***

(f) ***

(g) ***

(j) ***

~~(k) One (1) tank reclaim conveyor, identified as C5, constructed in 1972 and modified in 2007 with a maximum throughput rate of 840 tons of grain per hour, controlled by baghouse BH2, with emissions exhausted through Stack EP120.~~

~~Under NSPS, Subpart DD, the reclaim conveyor C5 is considered an affected grain handling operation.~~

(~~j~~**k**) ***

(~~m~~**l**) ***

(~~n~~**m**) ***

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

***

E.1.2 Standards of Performance for Grain Elevators [40 CFR Part 60, Subpart DD] [326 IAC 12]

Pursuant to 40 CFR Part 60, Subpart DD, the Permittee shall comply with the provisions of Standards of Performance for Grain Elevators **(included as Attachment B),** which are incorporated by reference as 326 IAC 12, for the column grain dryer (EU100), grain receiving

operation (EU101), the grain handling operation (EU102 through EU104, EU106, C8, ~~C5,~~ EU113, and EU114), and the grain loadout operation (EU108):

(1) 40 CFR 60.300
(2) 40 CFR 60.301
(3) 40 CFR 60.302 **(a)(1), (b), (c)(1) - (3)**
(4) 40 CFR 60.303
(5) 40 CFR 60.304

Recommendation

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

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

An application for the purposes of this review was received on May 16, 2012.

Conclusion

The operation of this stationary grain elevator, one source with an ethanol plant, shall be subject to the conditions of the attached Part 70 Operating Permit No. T107-31890-00009.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Julie Alexander at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-1782 or toll free at 1-800-451-6027 extension 3-1782.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Appendix A: Emissions Calculations
Source-Wide Emission Summary

Company Name: Cargill AgHorizons - Linden Grain Elevator
Address: 173 West County Road 1100 North, Linden, IN 47955
Reviewer: Julie Alexander
Date: July 30, 2012

1) Potential to Emit Before Control (tpy)

	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs[1]	Total HAPs	Individual HAP[2]
Grain Receiving, Handling, Storage , and Loadout	1,098.13	1,098.13	1,098.13	-	-	-	-	-	-	-
Grain Dryer	405.59	104.70	20.82	0.28	88.12	2.55	38.96	55,990	0.88	0.83
Fugitive Emissions										
Outside Storage Piles	2.26	1.07	0.16	-	-	-	-	-	-	-
Tanks/Conveyors	144.48	67.70	11.59	-	-	-	-	-	-	-
Grain Receiving/Loadout	121.24	35.28	5.94	-	-	-	-	-	-	-
Paved Haul Roads	19.92	0.78	74.32	-	-	-	-	-	-	-
Total Fugitive	287.90	104.83	92.01	-	-	-	-	-	-	-
Total (non-Fugitive)	1,503.72	1,202.83	1,118.95	0.28	88.12	2.55	38.96	55,990	0.88	0.83
Cargill AgHorizons Elevator (107-00009)	**1,791.62**	**1,307.66**	**1,210.96**	**0.28**	**88.12**	**2.55**	**38.96**	**55,990**	**0.88**	**0.83**
Total Fugitive	19.35	13.02	11.77	-	-	7.71	-	-	1.70	0.56
Total (non-Fugitive)	1,537.65	1,526.93	1,031.10	68.42	389.63	6,378.68	1,345.06	667,927	383.98	136.87
Valero Linden Plant (107-00061) (non-fugitive)	**1,537.65**	**1,526.93**	**1,031.10**	**68.42**	**389.63**	**6,378.68**	**1,345.06**	**667,927**	**383.98**	**136.87**
Total Contingent Source	**3,329.28**	**2,834.59**	**2,242.06**	**68.70**	**477.75**	**6,381.23**	**1,384.02**	**723,917**	**384.86**	**136.87**

2) Potential to Emit After Control (tpy)

	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs[1]	Total HAPs	Individual HAP[2]
Grain Receiving, Handling, Storage , and Loadout	10.98	10.98	10.98	-	-	-	-	-	-	-
Grain Dryer	405.59	104.70	20.82	0.28	88.12	2.55	38.96	55,990	0.88	0.83
Fugitive Emissions										
Outside Storage Piles	2.26	1.07	0.16	-	-	-	-	-	-	-
Tanks/Conveyors	72.24	33.85	5.80	-	-	-	-	-	-	-
Grain Receiving/Loadout	12.12	3.53	0.59	-	-	-	-	-	-	-
Paved Haul Roads	9.96	0.39	37.16	-	-	-	-	-	-	-
Total Fugitive	96.59	38.84	43.71	-	-	-	-	-	-	-
Total (non-Fugitive)	416.57	115.68	31.80	0.28	88.12	2.55	38.96	55,990	0.88	0.83
Cargill AgHorizons Elevator (107-00009)	**513.16**	**154.52**	**75.51**	**0.28**	**88.12**	**2.55**	**38.96**	**55,990**	**0.88**	**0.83**
Total Fugitive	19.35	13.02	11.77	-	-	7.71	-	-	1.70	0.56
Total (non-Fugitive)	72.76	72.60	67.64	68.42	397.85	147.84	246.63	667927	21.70	9.41
Valero Linden Plant (107-00061)(non-fugitive)	**72.76**	**72.60**	**67.64**	**68.42**	**397.85**	**147.84**	**246.63**	**667,927**	**23.39**	**9.97**
Total Contingent Source	**585.92**	**227.12**	**143.15**	**68.70**	**485.97**	**150.39**	**285.59**	**723,917**	**24.27**	**9.97**

3) Potential to Emit After Issuance of Permit (Limited PTE) (tpy)

	PM	PM10	PM2.5	SO2	NOx	VOC	CO	GHGs[1]	Total HAPs	Individual HAP[2]
Grain Receiving, Handling, Storage , and Loadout	10.98	10.98	10.98	-	-	-	-	-	-	-
Grain Dryer	50.92	13.09	0.88	0.03	5.00	0.28	4.20	6,037	0.09	0.09
Fugitive Emissions										
Outside Storage Piles	2.26	1.07	0.16	-	-	-	-	-	-	-
Tanks/Conveyors	72.24	33.85	5.80	-	-	-	-	-	-	-
Grain Receiving/Loadout	12.12	3.53	0.59	-	-	-	-	-	-	-
Total Fugitive	86.63	38.45	6.55	-	-	-	-	-	-	-
Total (non-Fugitive)	61.90	24.07	11.86	0.03	5.00	0.28	4.20	6,037	0.09	0.09
Cargill AgHorizons Elevator (107-00009)	**148.52**	**62.52**	**18.41**	**0.03**	**5.00**	**0.28**	**4.20**	**6,037**	**0.09**	**0.09**
Total Fugitive	n/a	n/a	n/a	-	-	n/a	-	-	1.70	0.56
Total (non-Fugitive)	62.22	59.58	59.58	68.42	94.90	99.36	95.24	667,927	19.10	9.34
Valero Linden Plant (107-00061)(non-fugitive)	**62.22**	**59.58**	**59.58**	**68.42**	**94.90**	**99.36**	**95.24**	**667,927**	**20.80**	**9.90**
Total Contingent Source	**210.75**	**122.10**	**77.99**	**68.45**	**99.90**	**99.64**	**99.44**	**673,963**	**20.89**	**9.90**

[1] 451,794 tons of GHGs/yr are emitted from Valero's fermentation process; greenhouse gas emissions from biogenic processes are currently exempt from GHG regulations

[2] Worst-case HAP for Cargill AgHorizons Elevator is Hexane. Hexane is not included in total since Acetaldehyde, the worst-case HAP for Valero Renewable Fuels Company, LLC, is emited at higher rate. Worst-case HAP for contingent source is Acetaldehyde.

* Fugitive PM, PM10, PM2.5, and VOC emissions are not counted toward the determination of PSD and Emission Offset applicability for the Valero Renewable Fuels Company, LLC - Valero Linden Plant, since this source is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IA 2-7, and there are no applicable New Source Performance Standard sthat were in effect on August 7, 1980. The fugitive HAPs emissions are included.

Appendix A: Emission Calculations
PM, PM10, and PM2.5 Emissions
From the Grain Receiving, Handling, and Loadout Operations

Company Name: Cargill AgHorizons - Linden Grain Elevator
Address: 173 West County Road 1100 North, Linden, IN 47955
Reviewer: Julie Alexander
Date: July 30, 2012

Unit IDs	Emission Point	Process Description	Outlet Grain Loading (gr/dscf)	Maximum Air Flow Rate (scfm)	Control Efficiency (%)	$PM/PM_{10}/PM_{2.5}$ PTE		
						Uncontrolled (tons/yr)	Controlled (lbs/hr)	Controlled (tons/yr)
EU101 EU102 EU103 EU104 EU105 EU106 EU108 C8 EU113 EU114	BH1	Grain Receiving, Handling, Storage, Loadout	0.0075	39,000	99%	1098.13	2.51	10.98
Totals						1098.13		**10.98**

* Assumed PM = PM10 = PM2.5

Methodology

PTE of PM/PM10 after Control (lbs/hr) = Grain Loading (gr/dscf) x Max. Air Flow Rate (scfm) x 60 mins/hr x 1/7000 lb/gr

PTE of PM/PM10 after Control (tons/yr) = Grain Loading (gr/dscf) x Max. Air Flow Rate (scfm) x 60 mins/hr x 1/7000 lb/gr x 8760 hr/yr x 1 ton/2000 lbs

PTE of PM/PM10 before Control (tons/yr) = PTE of PM/PM10 after Control (tons/yr) / (100-Control Efficiency)

Fugitive Emissions

Unit ID	Unit Description	Annual Throughput Limit (tons/yr)	Uncontrolled Emission Factor (lbs/ton)			Uncontrolled Limited PTE (tons/yr)			Control Unit		Limited Potential to Emit (tons/yr)		
			PM	PM_{10}	$PM_{2.5}$	PM	PM_{10}	$PM_{2.5}$	Baghouse ID	Capture Efficiency (%)	PM	PM_{10}	$PM_{2.5}$
EU101	Grain Receiving (FS100)	2,800,000	0.035	0.0078	0.0013	49.0	10.92	1.82	BH1	90%	4.90	1.09	0.18
EU108	Grain Loadout (FS101)	1,680,000	0.086	0.0290	0.0049	72.2	24.36	4.12	BH1	90%	7.22	2.44	0.41
Totals, Grain Receiving and Loadout						**121.2**	**35.28**	**5.94**			**12.12**	**3.53**	**0.59**
EU102-EU104	Grain Handling	1,680,000	0.061	0.0340	0.0058	51.24	28.56	4.9	BH1	100%	0.00	0.00	0.00
EU105, EU106	Grain Storage	1,680,000	0.025	0.0063	0.0011	21.00	5.29	0.9	BH1	100%	0.00	0.00	0.00
FS104	Grain Storage Tanks-Grain	1,680,000	0.025	0.0063	0.0011	21.00	5.29	0.9	None	0%	21.00	5.29	0.92
FS103	Storage Tank Conveyors - Grain	1,680,000	0.061	0.0340	0.0058	51.24	28.56	4.9	None	0%	51.24	28.56	4.87
Totals, Tanks and Conveyors						**144.48**	**67.70**	**11.59**			**72.24**	**33.85**	**5.80**

Note: Emission factors are from AP-42, Chapter 9.9.1 - Grain Elevators, Table 9.9.1-1 (04/03), hopper truck (SCC: 3-02-005-52), Headhouse and grain handling (SCC 3-02-005-30), storage bin (vent) (SCC 3-02-005-40), Truck (uspecified) (SCC 3-02-005-60). Assume all the grain is received and loadout by trucks, which is the worst case scenario.

Methodology

PTE of uncontrolled limited Fugitive PM/PM10/PM2.5 (tons/yr) = Annual Throughput Limit (tons/yr) x Uncontrolled Emission Factor (lbs/ton) x 1 ton/2000 lbs

PTE of limited Fugitive PM/PM10/PM2.5 (tons/yr) = Annual Throughput Limit (tons/yr) x Uncontrolled Emission Factor (lbs/ton) x (1-Control Efficiency%) x 1 ton/2000 lbs

Appendix A: Emission Calculations
Emissions From the Grain Dryer EU100

Company Name: Cargill AgHorizons - Linden Grain Elevator
Address: 173 West County Road 1100 North, Linden, IN 47955
Reviewer: Julie Alexander
Date: July 30, 2012

Process Emissions

Maximum Throughput Rate (tons/hr)	Annual Throughput Limit (tons/yr)	Emission Factor			Uncontrolled PTE						Limited PTE					
		PM	PM_{10}	$PM_{2.5}$	PM		PM_{10}		$PM_{2.5}$		PM		PM_{10}		$PM_{2.5}$	
		(lbs/ton)	(lbs/ton)	(lbs/ton)	(lbs/hr)	(tons/yr)	(lbs/hr)	(tons/yr)	(lbs/hr)	(tons/yr)	(lbs/hr)	(tons/yr)	(lbs/hr)	(tons/yr)	(tons/yr)	(lbs/hr)
420	462,000	0.22	0.055	0.0094	92.4	404.712	23.1	101.178	3.9	17.3	11.60	50.82	2.90	12.71	2.17	0.50

Emission factors are from AP-42, Chapter 9.9.1 - Grain Elevators, Table 9.9.1-1, column dryer (SCC 3-02-005-27)

Combustion Emissions

Max Firing Rate: 108 MMBtu/hr
Max Fuel Usage: 927.53 MMCF/yr
Annual Fuel Limit: 100 MMCF/yr

	PM*	PM10/PM2.5*	SO2	NOx**	VOC	CO
Unlimited Emission Factor (lb/MMSCF)	1.90	7.60	0.60	190	5.50	84.0
Limited Emission Factor (lb/MMSCF)	1.90	7.60	0.60	100	5.50	84.0
Unlimited Potential to Emit (tons/yr)	0.88	3.52	0.28	88.12	2.55	38.96
Limited Potential to Emit (tons/yr)	0.10	0.38	0.03	5.00	0.28	4.20

*PM emission factor is filterable PM only. PM10/PM2.5 emission factor is filterable and condensable PM combined.
**Emission Factors for NOx: Uncontrolled = 280 (pre-NSPS) or 190 (post-NSPS), Low NOx Burner = 140, Flue gas recirculation = 100 (See Table 1.4-1)

Methodology:
All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission Factors from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-01-006-01, 1-01-006-04
(AP-42 Supplement D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Unlimited Potential to Emit (tons/yr)	9.74E-04	5.57E-04	3.48E-02	8.35E-01	1.58E-03
Limited Potential to Emit (tons/yr)	1.05E-04	6.00E-05	3.75E-03	9.00E-02	1.70E-04

	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Unlimited Potential to Emit (tons/yr)	2.32E-04	5.10E-04	6.49E-04	1.76E-04	9.74E-04
Limited Potential to Emit (tons/yr)	2.50E-05	5.50E-05	7.00E-05	1.90E-05	1.05E-04

Unlimited Total HAPS (tons/yr)	8.75E-01
Limited Total HAPS (tons/yr)	9.44E-02

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Unlimited Potential Emission in tons/yr	55,652	1	1
Limited Potential Emission in tons/yr	6,000	0.12	0.11
Summed Unlimited Potential Emissions in tons/yr	55,654		
Summed Limited Potential Emissions in tons/yr	6,000		
Unlimited CO2e Total in tons/yr	55,990		
Limited CO2e Total in tons/yr	6,037		

Methodology
The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x

Appendix A: Emission Calculations
Fugitive Emissions From Paved Roads

Company Name: Cargill AgHorizons - Linden Grain Elevator
Address: 173 West County Road 1100 North, Linden, IN 47955
Reviewer: Julie Alexander
Date: July 30, 2012

E= [(k x (sL)^0.91) x (W)^1.02)(1-(P/4N))] *AP-42, Section 13.2.1-1, January 2011*

Factor	Description	Source	PM Value	PM_{10} Value	$PM_{2.5}$ Value
E =	Emission factor (lb/VMT, vehicle miles traveled)	Calculation, above	0.28	0.06	0.01
k =	PM Particle size multiplier (lb/VMT)	AP-42, Section 13.2.1	0.011	0.0022	0.00054
sL =	Road surface silt loading (g/m^2)	AP-42, Section 13.2.1-2	1.05	1.05	1.05
P =	Number of "wet" days in an averaging period		120	120	120
N =	Number of days in the averaging period		365	365	365
W =	Average vehicle weight (ton)		25.0	25.0	25.0

Average Annual Emission Factors

Emission Factor	
PM	**0.28**
PM_{10}	**0.01**
$PM_{2.5}$	**1.05**

Activity	Average Vehicle (tons)	No. of (truck/yr)	Miles Traveled (miles/truck)	Annual (VMT/yr)	PM Emissions			PM_{10} Emissions			$PM_{2.5}$ Emissions		
					Uncontrolled		Controlled*	Uncontrolled		Controlled*	Uncontrolled		Controlled*
					(lb/yr)	(tpy)	(tpy)	(lb/yr)	(tpy)	(tpy)	(lb/yr)	(tpy)	(tpy)
Grain receiving	25	112,000	0.79	88,480	24,898	12.45	6.22	973	0.49	0.24	92,904	46.45	23.23
Grain shipping	25	67,200	0.79	53,088	14,939	7.47	3.73	584	0.29	0.15	55,742	27.87	13.94
Total						19.92	**9.96**		0.78	**0.39**		74.32	**37.16**

*Periodic sweeping will be done to provide control (50%) to PM/PM_{10}/$PM_{2.5}$ emissions.

Appendix A:Emission Calculations
Potential PM, PM10, and PM2.5 Emissions
From the Grain Storage Pile EU111

Company Name: Cargill AgHorizons - Linden Grain Elevator
Address: 173 West County Road 1100 North, Linden, IN 47955
Reviewer: Julie Alexander
Date: July 30, 2012

Emission Factors:

According to AP42, Chapter 13.2.4 - Aggregate Handling and Storage Piles (AP-42, 01/95), the PM/PM10/PM2.5 emission factors for aggregate

$$Ef = \frac{k \times 0.0032 \times (U/5)^{1.3}}{(M/2)^{1.4}}$$

where:

Ef =	Emission Factor (lbs/ton)		
k =	Particle size multipler =	0.74	for PM
k =	Particle size multipler =	0.35	for PM10
		0.053	for PM2.5
U =	Mean wind speed (mph) =	10	mph (provided by the source)
M =	Material Moisture content (%) =	5	% (provided by the source)

Therefore,

PM Emission Factor =	0.0016	lbs/ton of grain
PM10 Emission Factor =	0.0008	lbs/ton of grain
PM2.5 Emission Factor =	0.0001	lbs/ton of grain

Potential to Emit PM/PM10/PM2.5:

*Max. Throughput Rate: 2,800,000 tons/yr

Methodology

PTE of PM (tons/yr) = 67,200 ton/yr x 0.0016 lbs/ton x 1 tons/2000 lbs = **2.26 tons/yr**
PTE of PM10 (tons/yr) = 67,200 ton/yr x 0.0008 lbs/ton x 1 tons/2000 lbs = **1.07 tons/yr**
PTE of PM2.5 (tons/yr) = 67,200 ton/yr x 0.0001 lbs/ton x 1 tons/2000 lbs = **0.16 tons/yr**

*Assumes all grain received is stored at the grain piles as a worst case scenario; the majority of grain received will be stored within permanent storage silos and tanks.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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

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

TO: Jim Simpson
Cargill AgHorizons – Linden Grain Elevator
173 W CR 1100 N
Linden, IN 47955

DATE: February 6, 2013

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

SUBJECT: Final Decision
Title V
107-31890-00009

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
Ben Breazeale (Group Leader – Linden Grain Elevator)
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.

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February 6, 2013

TO: Linden Public Library

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

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

Applicant Name: **Cargill AgHorizons – Linden Grain Elevator**
Permit Number: **107-31890-00009**

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

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

Enclosures
Final Library.dot 11/30/07

Mail Code 61-53

IDEM Staff	MIDENNEY 2/6/2013 Cargill AgHorizons - Linden Grain Elevator 107-31890-00009 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		Jim Simpson Cargill AgHorizons - Linden Grain Elevator 173 W CR 1100 N Linden IN 47955 (Source CAATS) via confirm delivery									
2		Ben Breazeale Group Leader Cargill AgHorizons - Linden Grain Elevator 173 W CR 1100 N Linden IN 47955 *(RO CAATS)*									
3		Montgomery County Health Department 110 W. South Blvd Suite 100 Crawfordsville IN 47933-3351 *(Health Department)*									
4		Mr. Robert Ford RR 1, Box 233 New Ross IN 47968 *(Affected Party)*									
5		Ms. Magie Read P.O. Box 248 Battle Ground IN 47920 *(Affected Party)*									
6		Linden Carnegie Public 102 South Main St, P.O. Box 10 Linden IN 47955-0010 *(Library)*									
7		Montgomery County Commissioner 110 West South Boulvard Crawfordsville IN 47933 *(Local Official)*									
8		Terry & Patricia French 606 Ridgeway Ct. Crawfordsville IN 47933 *(Affected Party)*									
9		Linden Town Council P.O. Box 352, 302 East Water Linden IN 47955 *(Local Official)*									
10											
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