



Joseph E. Kernan  
Governor

Lori F. Kaplan  
Commissioner

June 30, 2004

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.in.gov/idem

TO: Interested Parties / Applicant

RE: Central States Enterprises, Inc. / 003-16506-00287

FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision: Approval - Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures  
FNPER.dot 9/16/03



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**FEDERALLY ENFORCEABLE STATE  
OPERATING PERMIT (FESOP) RENEWAL  
OFFICE OF AIR QUALITY**

**Central States Enterprises, Inc.  
356 Hartzell Road  
New Haven, Indiana 46774**

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

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

Operation Permit No.: F003-16506-00287	
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date:June 30, 2004 Expiration Date:June 30, 2009

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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 processing operation.

Authorized individual:	Vice President and General Manager
Source Address:	356 Hartzell Road, New Haven, Indiana 46774
Mailing Address:	P.O. Box 323, New Haven, Indiana 46774
General Source Phone:	(260) 749-0022
SIC Code:	5153
County Location:	Allen
Source Location Status:	Nonattainment for ozone under the 8-hour standard Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Nonattainment NSR Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) One (1) grain unloading and loadout area, including the following:
- (1) One (1) truck unloading/loadout bay, identified as Truck Bay #1, constructed in 1976, with a maximum throughput rate of 448 tons/hr, controlled by baghouse BH1, and exhausting to stack S1.
  - (2) One (1) truck unloading bay, identified as Truck Bay #2, constructed in 1950, with a maximum throughput rate of 392 tons/hr, controlled by baghouse BH1, and exhausting to stack S1.
  - (3) One (1) truck unloading bay, identified as Truck Bay #3, constructed in 1987, with a maximum throughput rate of 560 tons/hr, and exhausting directly to the atmosphere.
  - (4) One (1) truck unloading/loadout bay, identified as Truck Bay #5, constructed in 1950, with a maximum throughput rate of 140 tons/hr, and exhausting directly to the atmosphere.
  - (5) One (1) indoor unloading storage pile, identified as pile #16, with a maximum capacity of 102,000 bushels and a maximum throughput rate of 112 tons/hr. and exhausting into the building.
  - (6) One (1) rail loadout bay, constructed in 1976, with a maximum throughput rate of 616 tons/hr, and exhausting directly to the atmosphere.
- (b) Two (2) grain dryers, using natural gas as fuel, with a total maximum heat input rate of 35.2 MMBtu/hr, including the following:

- (1) One (1) Aeroglide rack dryer, constructed in 1977, with a maximum throughput rate of 98 tons/hr, with 50 mesh screens for control.
  - (2) One (1) Zimmerman column dryer, constructed in 1994, with a maximum throughput rate of 112 tons/hr, with 0.078 inch perforation screens for control.
- (c) Twenty-three (23) grain storage silos, with a maximum throughput rate of 616 tons/hr, including the following:
- (1) Three (3) storage silos, identified as #101 through #103, constructed in 1976, each with a maximum capacity of 56,000 bushels.
  - (2) Two (2) storage silos, identified as #104 and #105, constructed in 1976, each with a maximum capacity of 36,000 bushels.
  - (3) One (1) storage silo, identified as #106, constructed in 1977, with a maximum capacity of 114,000 bushels.
  - (4) Two (2) storage silos, identified as #107 and #108, constructed in 1977, each with a maximum capacity of 144,000 bushels.
  - (5) One (1) storage silo, identified as #109, constructed in 1987, with a maximum capacity of 178,000 bushels.
  - (6) One (1) storage silo, identified as #110, constructed in 1987, with a maximum capacity of 420,000 bushels.
  - (7) Two (2) storage silos, identified as #111 and #112, constructed in 1987, each with a maximum capacity of 940,000 bushels.
  - (8) Three (3) storage silos, identified as #113 through #115, constructed in 1993, each with a maximum capacity of 480,000 bushels.
  - (9) One (1) storage silo, identified as #116, constructed in 1994, with a maximum capacity of 280,000 bushels.
  - (10) One (1) storage silo, identified as #117, constructed in 1994, with a maximum capacity of 500,000 bushels.
  - (11) Two (2) storage silos, identified as #118 and #119, constructed in 1996, each with a maximum capacity of 500,000 bushels.
  - (12) Three (3) storage silos, identified as #120 through #122, constructed in 1999, each with a maximum capacity of 480,000 bushels.
  - (13) One (1) storage silo, identified as #123, constructed in 2004, with a maximum capacity of 640,000 bushels.
- (d) Seven (7) grain storage piles, constructed before 1996, with a total maximum throughput rate of 212 tons/hr, including the following:
- (1) Three (3) indoor storage piles, identified as piles #1, #4, and #5, each with a maximum capacity of 72,000 bushels.
  - (2) Two (2) indoor storage piles, identified as piles #2 and #3, each with a maximum capacity of 73,000 bushels.

- (3) One (1) indoor storage pile, identified as pile #26, with a maximum capacity of 235,000 bushels.
- (4) One (1) outdoor storage pile, identified as pile #XT, with a maximum capacity of 1,040,000 bushels.

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

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including the following:
  - (1) Three (3) space heaters, each with a maximum heat input rate of 0.25 MMBtu/hr.
  - (2) Two (2) office space heaters, each with a maximum heat input rate of 0.1 MMBtu/hr.
  - (3) One (1) office space heater, with a maximum heat input rate of 0.05 MMBtu/hr.
- (b) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, and having a storage capacity less than or equal to 10,500 gallons.
- (c) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings, including one (1) mineral oil dust suppressant system.
- (d) One (1) degreasing operation, constructed in 1995, using non-halogenated solvents, with a maximum solvent usage of less than 145 gallons per 12 months.
- (e) Paved roads.
- (f) Other emission units, not regulated by a NESHAP, with PM10 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, 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) ton per year of any combination of HAPs:
  - (1) One (1) gravity fed, un aspirated grain cleaner.
  - (2) One (1) enclosed internal grain handling process, constructed in 1974 and modified after 1980, with a total maximum throughput rate of 616 tons/hr, consisted of enclosed conveyors and legs.

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

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

A.5 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either
  - (1) incorporated as originally stated,

(2) revised, or

(3) deleted

by this permit.

(b) All previous registrations and permits are superseded by this permit.

## SECTION B GENERAL CONDITIONS

### B.1 Permit No Defense [IC 13]

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

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

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

### B.3 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5]

This permit 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.

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

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

### B.5 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]

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

### B.6 Severability [326 IAC 2-8-4(4)]

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

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

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

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

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

### B.9 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.10 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This

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

- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.
- (c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.11 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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

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

B.12 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), including the following information on each facility:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (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 or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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.13 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describes 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 No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,  
Telephone No.: 317-233-5674 (ask for Compliance Section)  
Facsimile No.: 317-233-5967

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

Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
  - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
  - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
    - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.
- (h) Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

**B.14** Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

Indiana Department of Environmental Management

Compliance Data Section, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.

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

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

**B.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]

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

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

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015

Indianapolis, IN 46206-6015

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
- (1) A timely renewal application is one that is:
- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) 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.
- (2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]  
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

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

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015
- Any such application shall be certified by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement the administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

B.18 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

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

- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.

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

- (b) Emission Trades [326 IAC 2-8-15(c)]  
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ or U.S. EPA is required.

**B.19 Permit Revision Requirement [326 IAC 2-8-11.1]**

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

**B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC 13-17-3-2][IC13-30-3-1]**

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

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

- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:  
  
Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
  
The application which shall be submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

#### C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) pounds per hour [40 CFR 52 Subpart P][326 IAC 6-3-2]

- (a) Pursuant to 40 CFR 52 Subpart P, particulate matter emissions from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.
- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

#### C.2 Overall Source Limit [326 IAC 2-8]

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. The limitation shall also make the requirements of 326 IAC 2-2 (PSD) not applicable.
  - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
  - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (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 Opacity [326 IAC 5-1]

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

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

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

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

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]

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

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

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

C.7 Operation of Equipment [326 IAC 2-8-5(a)(4)]

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Except as otherwise provided by statute, rule or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission units vented to the control equipment are in operation.

C.8 Stack Height [326 IAC 1-7]

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

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Asbestos Section, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

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

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

#### **C.10 Performance Testing [326 IAC 3-6]**

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

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

Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

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

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

### **Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

#### **C.12 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]**

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Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented upon issuance of this permit. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment.

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

#### **C.13 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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

#### **C.14 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]**

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- (a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (" 2%) of full scale reading.
- (b) The Permittee may request the IDEM, OAQ approve the use of a pressure gauge or other instrument that does not meet the above specifications provided the Permittee can demonstrate an alternative pressure gauge or other instrument specification will adequately ensure compliance with permit conditions requiring the measurement of pressure drop or other parameters.

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

#### **C.15 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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

- (a) The Permittee 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 Branch, Office of Air Quality  
100 North Senate Avenue, P.O. Box 6015  
Indianapolis, Indiana 46206-6015

within ninety (90) days from the date of issuance of this permit.

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

- (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.16 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]

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

C.17 Compliance Response Plan - Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan under 40 CFR 60/63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM, OAQ, upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:
  - (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.
  - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan, and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan to include such response steps taken.

The OMM Plan shall be submitted within the time frames specified by the applicable 40 CFR60/63 requirement.

- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:

- (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan; or
  - (2) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.
  - (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.
  - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
  - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.
  - (3) An automatic measurement was taken when the process was not operating.
  - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

C.18 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]

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

the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

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

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

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

#### **C.19 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]**

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

#### **C.20 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Data Section, Office of Air Quality  
100 North Senate Avenue, P. O. Box 6015  
Indianapolis, Indiana 46206-6015
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) Reporting periods are based on calendar years.

## **Stratospheric Ozone Protection**

### **C.21 Compliance with 40 CFR 82 and 326 IAC 22-1**

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

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

**SECTION D.1**

**FACILITY OPERATION CONDITIONS**

**Facility Description [326 IAC 2-8-4(10)]:**

- (a) One (1) grain unloading and loadout area, including the following:
  - (1) One (1) truck unloading/loadout bay, identified as Truck Bay #1, constructed in 1976, with a maximum throughput rate of 448 tons/hr, controlled by baghouse BH1, and exhausting to stack S1.
  - (2) One (1) truck unloading bay, identified as Truck Bay #2, constructed in 1950, with a maximum throughput rate of 392 tons/hr, controlled by baghouse BH1, and exhausting to stack S1.
  - (3) One (1) truck unloading bay, identified as Truck Bay #3, constructed in 1987, with a maximum throughput rate of 560 tons/hr, and exhausting directly to the atmosphere.
  - (4) One (1) truck unloading/loadout bay, identified as Truck Bay #5, constructed in 1950, with a maximum throughput rate of 140 tons/hr, and exhausting directly to the atmosphere.
  - (5) One (1) indoor unloading storage pile, identified as pile #16, with a maximum capacity of 102,000 bushels and a maximum throughput rate of 112 tons/hr. and exhausting into the building.
  - (6) One (1) rail loadout bay, constructed in 1976, with a maximum throughput rate of 616 tons/hr, and exhausting directly to the atmosphere.
- (b) Two (2) grain dryers, using natural gas as fuel, with a total maximum heat input rate of 35.2 MMBtu/hr, including the following:
  - (1) One (1) Aeroglide rack dryer, constructed in 1977, with a maximum throughput rate of 98 tons/hr, with 50 mesh screens for control.
  - (2) One (1) Zimmerman column dryer, constructed in 1994, with a maximum throughput rate of 112 tons/hr, with 0.078 inch perforation screens for control.
- (c) Twenty-three (23) grain storage silos, with a maximum throughput rate of 616 tons/hr, including the following:
  - (1) Three (3) storage silos, identified as #101 through #103, constructed in 1976, each with a maximum capacity of 56,000 bushels.
  - (2) Two (2) storage silos, identified as #104 and #105, constructed in 1976, each with a maximum capacity of 36,000 bushels.
  - (3) One (1) storage silo, identified as #106, constructed in 1977, with a maximum capacity of 114,000 bushels.
  - (4) Two (2) storage silos, identified as #107 and #108, constructed in 1977, each with a maximum capacity of 144,000 bushels.
  - (5) One (1) storage silo, identified as #109, constructed in 1987, with a maximum capacity of 178,000 bushels.

**Facility Description (Continued)**

- (6) One (1) storage silo, identified as #110, constructed in 1987, with a maximum capacity of 420,000 bushels.
  - (7) Two (2) storage silos, identified as #111 and #112, constructed in 1987, each with a maximum capacity of 940,000 bushels.
  - (8) Three (3) storage silos, identified as #113 through #115, constructed in 1993, each with a maximum capacity of 480,000 bushels.
  - (9) One (1) storage silo, identified as #116, constructed in 1994, with a maximum capacity of 280,000 bushels.
  - (10) One (1) storage silo, identified as #117, constructed in 1994, with a maximum capacity of 500,000 bushels.
  - (11) Two (2) storage silos, identified as #118 and #119, constructed in 1996, each with a maximum capacity of 500,000 bushels.
  - (12) Three (3) storage silos, identified as #120 through #122, constructed in 1999, each with a maximum capacity of 480,000 bushels.
  - (13) One (1) storage silo, identified as #123, constructed in 2004, with a maximum capacity of 640,000 bushels.
- (d) Seven (7) grain storage piles, constructed before 1996, with a total maximum throughput rate of 212 tons/hr, including the following:
- (1) Three (3) indoor storage piles, identified as piles #1, #4, and #5, each with a maximum capacity of 72,000 bushels.
  - (2) Two (2) indoor storage piles, identified as piles #2 and #3, each with a maximum capacity of 73,000 bushels.
  - (3) One (1) indoor storage pile, identified as pile #26, with a maximum capacity of 235,000 bushels.
  - (4) One (1) outdoor storage pile, identified as pile #XT, with a maximum capacity of 1,040,000 bushels.

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

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

**D.1.1 General Provisions Relating to NSPS [326 IAC 12-1] [40 CFR Part 60, Subpart A]**

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the following emission units which were constructed or modified after August 3, 1978, except when otherwise specified in 40 CFR Part 60, Subpart DD.

Process	Units (Construction Year)
Grain Loading and Unloading	Truck Bay #3 (1987)
Grain Dryer	Zimmerman Column Dryer (1994)
Grain Handling Operations	Silos #109 through #122 (after 1978)

**D.1.2 New Source Performance Standards (NSPS) for Grain Elevators [326 IAC 12] [40 CFR Part 60, Subpart DD]**

- (a) Pursuant to 40 CFR 60.302(c)(1), particulate emissions from Truck Bay #3 shall not exceed 5 percent opacity.
- (b) Pursuant to 40 CFR 60.302(c)(2), particulate emissions from the storage silos #109 through #122 shall not exceed zero (0) percent opacity.

**D.1.3 PM Limits [326 IAC 2-2]**

- (a) The total PM emissions from the Truck Bays #1 and #2 shall not exceed 0.01 pound per ton of grain processed.
- (b) The total throughput rates of the following processes shall not exceed the limits listed in the table below. These limits were based on twelve (12) consecutive month period and compliance with these limits is determined at the end of each month.

Process	Throughput Limit (tons/yr)
Total Grain Unloading in Truck Bay #1 and #2	756,000
Total Grain Unloading Rate in Truck Bay #3 and #5 and Pile #16	84,000
Total Grain Loadout in Rail Bay	831,600
Total Gain Loadout in Truck Bays	8,400
Column Dryer	420,00
Rack Dryer	420,00

This is equivalent to 178 tons of PM emissions. Combined with the PM emissions from the storage piles, and the insignificant activities, the PM emissions from the entire source are limited to less than 250 tons/yr. Compliance with this limit makes this source a minor source under 326 IAC 2-2 (PSD).

**D.1.4 PM10 Limits [326 IAC 2-8-4] [326 IAC 2-2]**

Pursuant to 326 IAC 2-8-4 (FESOP):

- (a) The total PM10 emissions from the Truck Bay #1 and #2 shall not exceed 0.01 pound per ton of grain processed.
- (b) The throughput rate of the grain unloading, loadout processes, the dryers, the silos, and the internal handling process, shall be limited to the throughput limits listed in Condition D.1.3(b).

This is equivalent to 46.7 tons of PM10 emissions. Combined with the PM10 emissions from the storage piles, and the insignificant activities, the PM10 emissions from the entire source are

limited to less than 100 tons/yr. Compliance with this limit makes the requirements of 326 IAC 2-7 (Part 70 Program) are not applicable and also makes the source minor for 326 IAC 2-2 (PSD).

**D.1.5 Particulate Emission Limitations [326 IAC 6-3-2]**

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 limit listed in the table below:

Unit Description	Max. Throughput Rate (tons/hr)	Particulate Emission Limit (lbs/hr)
Truck Unloading/Loadout Bay #1	448	67.6
Truck Unloading Bay #2	392	66.1
Truck Unloading Bay #3	560	70.3
Storage Pile #16	112	52.4
Truck Unloading/Loadout Bay #5	140	54.7
Rail Loadout Bay	616	71.5
Rack dryer	98.0	51.1
Column dryer	112	52.4
Each Storage Silo	616	71.5

The pounds per hour limitation was calculated with the following equation:

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:

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

**D.1.6 Preventive Maintenance Plan [326 IAC 2-8-4(9)]**

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

**Compliance Determination Requirements**

**D.1.7 Particulate Control**

In order to comply with Conditions D.1.3(a), D.1.4(a), and D.1.5, the baghouse shall be in operation and control emissions from the truck unloading bays #1 and #2 at all times that these facilities are in operation.

**D.1.8 Testing Requirements [326 IAC 2-1.1-11] [326 IAC 2-8] [326 IAC 2-2]**

In order to demonstrate compliance with Conditions D.1.3(a) and D.1.4(a), within 180 days after issuance of this permit, the Permittee shall perform PM and PM10 testing for baghouse BH1 (which is used to control Truck Bays #1 and #2) utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing. These tests shall be repeated at least once every five (5) years from the date of last valid compliance demonstration. PM10 shall include condensable and filterable PM10.

**Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

**D.1.9 Visible Emissions Notations**

- (a) Once per shift visible emission notations of the exhausts from the truck bays, the rail loadout bay, the grain dryers, and the grain silos shall be performed 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 noncontinuous 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) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

#### D.1.10 Parametric Monitoring

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The Permittee shall record the total static pressure drop across the baghouse on Stack S1 used in conjunction with the truck unloading Bays #1 and #2 at least once per shift when these units are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 7.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Failure to Take Response Steps. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.

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

#### D.1.11 Baghouse Inspections

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An inspection shall be performed each calendar quarter of baghouse BH1 controlling the exhausts from the truck unloading bays #1 and #2. All defective bags shall be replaced.

#### D.1.12 Broken or Failed Bag Detection

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In the event that bag failure has been observed:

- (a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 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.
- (b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an

emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

**D.1.13 Record Keeping Requirements**

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- (a) To document compliance with Conditions D.1.3(b) and D.1.4(b), the Permittee shall maintain records of the grain received, dried, and shipped.
- (b) To document compliance with Condition D.1.9, the Permittee shall maintain records of the once per shift visible emission notations.
- (c) To document compliance with Condition D.1.10, the Permittee shall maintain once per shift records of the total static pressure drop during normal operation.
- (d) To document compliance with Condition D.1.11, the Permittee shall maintain records of the results of the inspections required under Condition D.1.11.
- (e) To document compliance with Condition D.1.6, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**D.1.14 Reporting Requirements**

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A quarterly summary of the information to document compliance with Conditions D.1.3(b) and D.1.4(b) shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities:

- (d) One (1) degreasing operation, constructed in 1995, using non-halogenated solvents, with a maximum solvent usage of less than 145 gallons per 12 months.

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

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

#### D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements; and
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

#### D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs and constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:
  - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
    - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38<sup>o</sup>C) (one hundred degrees Fahrenheit (100<sup>o</sup>F));
    - (B) The solvent is agitated; or
    - (C) The solvent is heated.
  - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38<sup>o</sup>C) (one hundred degrees Fahrenheit (100<sup>o</sup>F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
  - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
  - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38<sup>o</sup>C) (one hundred degrees Fahrenheit (100<sup>o</sup>F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9<sup>o</sup>C) (one hundred twenty degrees Fahrenheit (120<sup>o</sup>F)):
    - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
    - (B) A water cover when solvent used is insoluble in, and heavier than, water.
    - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
  - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
  - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

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

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

Source Name: Central States Enterprises, Inc.  
Source Address: 356 Hartzell Road, New Haven, Indiana 46774  
Mailing Address: P.O. Box 323, New Haven, Indiana 46774  
FESOP No.: F003-16506-00287

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
P.O. Box 6015  
100 North Senate Avenue  
Indianapolis, Indiana 46206-6015  
Phone: 317-233-5674  
Fax: 317-233-5967**

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

Source Name: Central States Enterprises, Inc.  
Source Address: 356 Hartzell Road, New Haven, Indiana 46774  
Mailing Address: P.O. Box 323, New Haven, Indiana 46774  
FESOP No.: F003-16506-00287

**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 317-233-5674, ask for Compliance Section); and
  - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), 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 <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_  
Title / Position: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

A certification is not required for this report.

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

### FESOP Quarterly Report

Source Name: Central States Enterprises, Inc.  
 Source Address: 356 Hartzell Road, New Haven, Indiana 46774  
 Mailing Address: P.O. Box 323, New Haven, Indiana 46774  
 FESOP No.: F003-16506-00287  
 Facility: Grain Unloading and Loadout Operations  
 Parameter: Throughput Limit  
 Limit: See table below

YEAR: \_\_\_\_\_

Month	Process	Column 1	Column 2	Column 1 + Column 2	Throughput Limit, tons per twelve (12) consecutive month period
		This Month	Previous 11 Months	12 Month Total	
Month 1	Grain Unloading – Truck Bays #1 and #2				756,000
	Grain Unloading – Truck Bays #3 and #5 and Pile # 16				84,000
	Grain Loadout – Rail Bay				831,600
	Grain Loadout – Truck Bays				8,400
Month 2	Grain Unloading – Truck Bays #1 and #2				756,000
	Grain Unloading – Truck Bays #3 and #5 and Pile #16				84,000
	Grain Loadout – Rail Bay				831,600
	Grain Loadout – Truck Bays				8,400
Month 3	Grain Unloading – Truck Bays #1 and #2				756,000
	Grain Unloading – Truck Bays #3 and #5 and Pile #16				84,000
	Grain Loadout – Rail Bay				831,600
	Grain Loadout – Truck Bays				8,400

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

### FESOP Quarterly Report

Source Name: Central States Enterprises, Inc.  
 Source Address: 356 Hartzell Road, New Haven, Indiana 46774  
 Mailing Address: P.O. Box 323, New Haven, Indiana 46774  
 FESOP No.: F003-16506-00287  
 Facility: Grain Dryers  
 Parameter: Throughput Limit  
 Limit: See table below

YEAR: \_\_\_\_\_

Month	Process	Column 1	Column 2	Column 1 + Column 2	Throughput Limit, tons per twelve (12) consecutive month period
		This Month	Previous 11 Months	12 Month Total	
Month 1	Column Dryer				420,000
	Rack Dryer				420,000
Month 2	Column Dryer				420,000
	Rack Dryer				420,000
Month 3	Column Dryer				420,000
	Rack Dryer				420,000

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

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

Source Name: Central States Enterprises, Inc.  
Source Address: 356 Hartzell Road, New Haven, Indiana 46774  
Mailing Address: P.O. Box 323, New Haven, Indiana 46774  
FESOP No.: F003-16506-00287

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

Page 1 of 2

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

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

Form Completed By: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

**Addendum to the Technical Support Document  
for Federally Enforceable State Operating Permit (FESOP) Renewal**

**Source Background and Description**

Source Name:	Central States Enterprises, Inc.
Source Location:	356 Hartzell Road, New Haven, Indiana 46774
County:	Allen
SIC Code:	5153
Operation Permit No.:	F003-5113-00019
Operation Permit Issuance Date:	December 9, 1996
Permit Renewal No.:	F003-16506-00287
Permit Reviewer:	ERG/YC

On May 8, 2004, the Office of Air Quality (OAQ) had a notice published in the Fort Wayne Journal Gazette, Fort Wayne, Indiana, stating that Central States Enterprises, Inc. had applied for a Federally Enforceable State Operating Permit (FESOP) Renewal to operate a grain processing plant with control. 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.

On May 21, 2004, Central States Enterprises, Inc. submitted comments on the proposed FESOP Renewal. The summary of the comments is as follows (bolded language has been added, the language with a line through it has been deleted):

**Comment 1:**

The source requested to replace the existing indoor storage pile #21 with a new storage silo #123, which will have a maximum capacity of 640,000 bushels.

**Response to Comment 1:**

Since the new storage silo #123 is similar to the existing permitted storage silos and will comply with the same applicable requirements, and there is no increase in emissions to warrant New Source Review, Conditions A.2 and D.1 have been revised as follows to reflect this replacement:

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

---

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

....

(c) **Twenty-three (23)** ~~Twenty-two (22)~~ grain storage silos, with a maximum throughput rate of 616 tons/hr, including the following:

....

**(13) One (1) storage silo, identified as #123, constructed in 2004, with a maximum capacity of 640,000 bushels.**

- (d) **Seven (7)** ~~Eight (8)~~ grain storage piles, constructed before 1996, with a total maximum throughput rate of 212 tons/hr, including the following:

....

~~(3) One (1) indoor storage pile, identified as pile #21, with a maximum capacity of 181,000 bushels.~~

(34) One (1) indoor storage pile, identified as pile #26, with a maximum capacity of 235,000 bushels.

(45) One (1) outdoor storage pile, identified as pile #XT, with a maximum capacity of 1,040,000 bushels.

## SECTION D.1

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]:

....

- (c) ~~Twenty-two (22)~~ **Twenty-three (23)** grain storage silos, with a maximum throughput rate of 616 tons/hr, including the following:

....

(13) **One (1) storage silo, identified as #123, constructed in 2004, with a maximum capacity of 640,000 bushels.**

- (d) **Seven (7)** ~~Eight (8)~~ grain storage piles, constructed before 1996, with a total maximum throughput rate of 212 tons/hr, including the following:

(1) Three (3) indoor storage piles, identified as piles #1, #4, and #5, each with a maximum capacity of 72,000 bushels.

(2) Two (2) indoor storage piles, identified as piles #2 and #3, each with a maximum capacity of 73,000 bushels.

~~(3) One (1) indoor storage pile, identified as pile #21, with a maximum capacity of 181,000 bushels.~~

(34) One (1) indoor storage pile, identified as pile #26, with a maximum capacity of 235,000 bushels.

(45) One (1) outdoor storage pile, identified as pile #XT, with a maximum capacity of 1,040,000 bushels.

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

No changes have been made to the TSD because the OAQ prefers that the Technical Support Document 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.

## Comment 2:

The source requested IDEM, OAQ revise Condition D.1.8 – Testing Requirements so that this condition clearly states when the stack testing for Baghouse BH1 should be performed. This baghouse is used to control the emissions from truck unloading bays #1 and #2. The source stated that they do not have control over the amount of grain received. In order to perform stack test during a period of maximum truck loading, the source requested the allowable testing time period cover at least one fall harvest season (September through November).

## Response to Comment 2:

The Permittee shall perform a stack test within 180 days after issuance of this FESOP renewal. This will cover the fall harvest season in 2004. Condition D.1.8 has been revised as follows to include this time period requirement:

### D.1.8 Testing Requirements [326 IAC 2-1.1-11] [326 IAC 2-8] [326 IAC 2-2]

In order to demonstrate compliance with Conditions D.1.3(a) and D.1.4(a), **within 180 days after issuance of this permit**, the Permittee shall perform PM and PM10 testing for baghouse BH1 (which is used to control Truck Bays #1 and #2) utilizing methods as approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing. These tests shall be repeated at least once every five (5) years from the date of last valid compliance demonstration. PM10 shall include condensable and filterable PM10.

Upon further review, the OAQ has decided to make the following revisions to the permit:

1. The "I/M & Billing Section" at OAQ is now "Billing, Licensing and Training Section". Therefore, Condition B.22 has been revised as follows:

### B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
  - (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
  - (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4320 (ask for OAQ, ~~I/M & Billing Section~~ **Billing, Licensing, and Training Section**), to determine the appropriate permit fee.
2. On April 15, 2004, the United States Environmental Protection Agency (U.S. EPA) named 23 Indiana counties and one partial county nonattainment for the new 8-hour ozone standard. The designations became effective on June 15, 2004. Allen County has been designated as nonattainment for the 8-hour ozone standard. The following has been added to A.1 General Information:

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

The Permittee owns and operates a stationary grain processing operation.

Authorized individual:	Vice President and General Manager
Source Address:	356 Hartzell Road, New Haven, Indiana 46774
Mailing Address:	P.O. Box 323, New Haven, Indiana 46774
General Source Phone:	(260) 749-0022
SIC Code:	5153
County Location:	Allen
Source Location Status:	<b>Nonattainment for ozone under the 8-hour standard</b> Attainment for all <b>other</b> criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD <b>and Nonattainment NSR</b> Rules

Minor Source, Section 112 of the Clean Air Act  
Not 1 of 28 Source Categories

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

Technical Support Document (TSD) for a Federally Enforceable State Operating Permit  
(FESOP) Renewal

**Source Background and Description**

Source Name:	Central States Enterprises, Inc.
Source Location:	356 Hartzell Road, New Haven, Indiana 46774
County:	Allen
SIC Code:	5153
Operation Permit No.:	F003-5113-00019
Operation Permit Issuance Date:	December 9, 1996
Permit Renewal No.:	F003-16506-00287
Permit Reviewer:	ERG/YC

The Office of Air Quality (OAQ) has reviewed a FESOP renewal application from Central States Enterprises, Inc., relating to the operation of a grain processing operation. Central States Enterprises, Inc. was issued FESOP 003-5113-00019 on December 9, 1996.

**Permitted Emission Units and Pollution Control Equipment**

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

- (a) One (1) grain unloading and loadout area, including the following:
  - (1) One (1) truck unloading/loadout bay, identified as Truck Bay #1, constructed in 1976, with a maximum throughput rate of 448 tons/hr, controlled by baghouse BH1, and exhausting to stack S1.
  - (2) One (1) truck unloading bay, identified as Truck Bay #2, constructed in 1950, with a maximum throughput rate of 392 tons/hr, controlled by baghouse BH1, and exhausting to stack S1.
  - (3) One (1) truck unloading bay, identified as Truck Bay #3, constructed in 1987, with a maximum throughput rate of 560 tons/hr, and exhausting directly to the atmosphere.
  - (4) One (1) truck unloading/loadout bay, identified as Truck Bay #5, constructed in 1950, with a maximum throughput rate of 140 tons/hr, and exhausting directly to the atmosphere.
  - (5) One (1) indoor unloading storage pile, identified as pile #16, with a maximum capacity of 102,000 bushels and a maximum throughput rate of 112 tons/hr. and exhausting into the building.
  - (6) One (1) rail loadout bay, constructed in 1976, with a maximum throughput rate of 616 tons/hr, and exhausting directly to the atmosphere.
- (b) Two (2) grain dryers, using natural gas as fuel, with a total maximum heat input rate of 35.2 MMBtu/hr, including the following:
  - (1) One (1) Aeroglide rack dryer, constructed in 1977, with a maximum throughput rate of 98 tons/hr, with 50 mesh screens for control.

- (2) One (1) Zimmerman column dryer, constructed in 1994, with a maximum throughput rate of 112 tons/hr, with 0.078 inch perforation screens for control.
- (c) Twenty two (22) grain storage silos, including the following:
- (1) Three (3) storage silos, identified as #101 through #103, constructed in 1976, each with a maximum capacity of 56,000 bushels.
  - (2) Two (2) storage silos, identified as #104 and #105, constructed in 1976, each with a maximum capacity of 36,000 bushels.
  - (3) One (1) storage silo, identified as #106, constructed in 1977, with a maximum capacity of 114,000 bushels.
  - (4) Two (2) storage silos, identified as #107 and #108, constructed in 1977, each with a maximum capacity of 144,000 bushels.
  - (5) One (1) storage silo, identified as #109, constructed in 1987, with a maximum capacity of 178,000 bushels.
  - (6) One (1) storage silo, identified as #110, constructed in 1987, with a maximum capacity of 420,000 bushels.
  - (7) Two (2) storage silos, identified as #111 and #112, constructed in 1987, each with a maximum capacity of 940,000 bushels.
  - (8) Three (3) storage silos, identified as #113 through #115, constructed in 1993, each with a maximum capacity of 480,000 bushels.
  - (9) One (1) storage silo, identified as #116, constructed in 1994, with a maximum capacity of 280,000 bushels.
  - (10) One (1) storage silo, identified as #117, constructed in 1994, with a maximum capacity of 500,000 bushels.
  - (11) Two (2) storage silos, identified as #118 and #119, constructed in 1996, each with a maximum capacity of 500,000 bushels.
  - (12)\* Three (3) storage silos, constructed in 1999, identified as #120 through #122, each with a maximum capacity of 480,000 bushels.
- (d) Eight (8) grain storage piles, constructed before 1996, including the following:
- (1) Three (3) indoor storage piles, identified as piles #1, #4, and #5, each with a maximum capacity of 72,000 bushels.
  - (2) Two (2) indoor storage piles, identified as piles #2 and #3, each with a maximum capacity of 73,000 bushels.
  - (3) One (1) indoor storage pile, identified as pile #21, with a maximum capacity of 181,000 bushels.
  - (4) One (1) indoor storage pile, identified as pile #26, with a maximum capacity of 235,000 bushels.
  - (5) One (1) outdoor storage pile, identified as pile #XT, with a maximum capacity of 1,040,000 bushels.

(\*) These units were not permitted in the previous permits. However, the potential to emit PM/PM10 from each silo is less than the exemption thresholds in 326 IAC 2-1.1-3(e). Therefore, the construction of these units is exempt from permitting requirements.

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

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

### **New Emission Units and Pollution Control Equipment Receiving Advanced Source Modification Approval**

There are no new emission units and pollution control equipment receiving New Source Review Approval at this source during this review process.

### **Insignificant Activities**

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including the following:
  - (1) Three (3) space heaters, each with a maximum heat input rate of 0.25 MMBtu/hr.
  - (2) Two (2) office space heaters, each with a maximum heat input rate of 0.1 MMBtu/hr.
  - (3) One (1) office space heater, with a maximum heat input rate of 0.05 MMBtu/hr.
- (b) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, and having a storage capacity less than or equal to 10,500 gallons.
- (c) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings, including one (1) mineral oil dust suppressant system.
- (d) One (1) degreasing operation, constructed in 1995, using non-halogenated solvents, with a maximum solvent usage of less than 145 gallons per 12 months.
- (e) Paved roads.
- (f) Other emission units, not regulated by a NESHAP, with PM10 and SO<sub>2</sub> 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, 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) ton per year of any combination of HAPs:
  - (1) One (1) gravity fed, un aspirated grain cleaner.
  - (2) One (1) enclosed internal grain handling process, constructed in 1974 and modified after 1980, with a total maximum throughput rate of 616 tons/hr, consisting of enclosed conveyors and legs.

### **Existing Approvals**

The source has been operating under the previous FESOP 003-5113-00287, issued on December 9, 1996.

All conditions from previous approvals were incorporated into this FESOP except the following:

- (a) FESOP 003-5113-00287, issued on December 9, 1996:

Condition D.1.1

Pursuant to 326 IAC 2-8-4, the PM10 emissions from the grain processing facilities shall be limited as follows:

- (1) The truck dump, TD1, bay #1 shall be limited to 0.3 lbs/hr;
- (2) Bay #2 shall be limited to 0.065 lbs/hr;
- (3) Bay #3, #5, and #6 shall be limited to 0.88 lbs/hr combined;
- (4) The loadout area LO1 shall be limited to 1.73 lbs/hr;
- (5) The Aeroglide dryer shall be limited to 17.31 lbs/hr;
- (6) The Zimmerman dryer shall be limited to 1.27 lbs/hr; and
- (7) The combustion from the dryers shall be limited to 1.05 lbs/hr.

Changes to the original condition:

The source requested the lbs/hr limits above be replaced with grain throughput limits. Therefore, the lbs/hr limits in Condition D.1.1 of FESOP 003-5113-00287, issued on December 9, 1996, have been replaced with throughput limits in this renewal permit. See the "State Rule Applicability – Entire Source" section for the revised limits.

- (b) FESOP 003-5113-00287, issued on December 9, 1996:

Condition D.1.6

The Aeroglide dryer shall have no visible emissions from its vents or exhaust points.

Changes to the original condition:

The Aeroglide rack dryer at this source was constructed before August 3, 1978, the rule effective date for NSPS, Subpart DD. In addition, this dryer was not modified or reconstructed after August 3, 1978. Therefore, this dryer is not subject to the requirements of NSPS, Subpart DD and the zero percent opacity limit (40 CFR 60.302(a)) for the rack dryer has been removed from the renewal permit.

- (c) To ensure continuous compliance with the PM and PM10 emissions, the visible emission notation frequency and pressure drop monitoring frequency have been changed from once per day to once per shift in this renewal permit.

- (d) FESOP 003-5113-00287, issued on December 9, 1996:

Condition A.3(d) – Insignificant Activities, including:

The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.

Changes to the original condition:

The source stated the welding equipment at this source is used for repair and maintenance, not related to manufacturing activities. Therefore, the brazing, soldering, and welding operations at this source are considered trivial activities as defined in 326 IAC 2-7-1(40) and will not be included as insignificant activities in this FESOP renewal.

### Enforcement Issue

- (a) IDEM is aware that the source did not apply for a FESOP renewal in a timely manner. IDEM is reviewing this matter and will take appropriate action. Pursuant to 327 IAC 2-8-3(h), the FESOP renewal application was required to be submitted before March 9, 2001, (9 months prior to the date of expiration of the first FESOP). However, the FESOP renewal application was received on November 26, 2002.
- (b) An Agreed Order between IDEM, OAQ and the source regarding the above issue was signed on October 3, 2003.

### Recommendation

The staff recommends to the Commissioner that the FESOP renewal be approved. This recommendation is based on the following facts and conditions:

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

An administratively complete FESOP renewal application for the purposes of this review was received on November 26, 2002. Additional information was received on December 22, 2003 and February 4, 2004.

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

### Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 5).

### Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source, excluding the emission limits that were contained in the previous FESOP.

Pollutant	Unrestricted Potential Emissions (tons/yr)
PM	Greater than 250
PM-10	Greater than 250
SO <sub>2</sub>	0.09
VOC	5.87
CO	13.4
NO <sub>x</sub>	15.8

HAPs	Unrestricted Potential Emissions (tons/yr)
Total	Negligible

- (a) The unrestricted potential emissions of PM10 is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 2-7. The source will be issued a FESOP because the source will limit its emissions below the TitleV levels.
- (b) Pursuant to 326 IAC 2-8, this source, otherwise required to obtain a Title V permit, has agreed to accept a permit with federally enforceable limits that restrict PTE to below Title V emission levels. Therefore, this source will be issued a Federally Enforceable State Operating Permit (FESOP).

(c) Fugitive Emissions

This type of operation is not in one of the twenty-eight (28) listed source categories under 326 IAC 2-2. However, since there are applicable New Source Performance Standards that were in effect on August 7, 1980 (40 CFR 60, Subpart DD), the fugitive emissions are counted toward determination of PSD applicability.

**Potential to Emit After Issuance**

The source has opted to remain a FESOP source. The table below summarizes the potential to emit, reflecting all limits of the emission units. Any control equipment is considered enforceable only after issuance of this FESOP and only to the extent that the effect of the control equipment is made practically enforceable in the permit. Since the source has not constructed any new emission units, the source's potential to emit is based on the emission units included in the original FESOP.

Process/Facility	Potential to Emit After Issuance (tons/year)						
	PM	PM <sub>10</sub>	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Grain Receiving, Handling, and Ship-out Operations	Less than 178	Less than 46.7	--	--	--	--	--
NG Combustion from Grain Dryers	1.17	1.17	0.09	0.85	13.0	15.4	Negligible
Storage Piles (Fugitive)	13.9	4.86	-	-	-	-	-
Paved Roads (Fugitive)	10.6	2.06	-	-	-	-	-
NG Combustion Units (insignificant)	0.03	0.03	Negligible	0.02	0.37	0.44	Negligible
Other Insignificant Units	Less than 5.0	Less than 5.0	-	Less than 5.0	-	-	Negligible
*Total Emissions	Less than 209	Less than 60.0	0.09	Less than 5.87	13.4	15.8	Negligible
Part 70 Program Thresholds	NA	100	100	100	100	100	10 for a single HAP and 25 for total HAPs

\* Note: Since there are applicable New Source Performance Standards that were in effect on August 7, 1980 (40 CFR 60, Subpart DD), fugitive emissions are counted toward determination of Part 70 program applicability.

**County Attainment Status**

The source is located in Allen County.

Pollutant	Status
PM-10	Attainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) are precursors for the formation of ozone. Therefore, VOC emissions are considered when evaluating the rule applicability relating to the ozone standards. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (b) Allen County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for

Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.

### Federal Rule Applicability

- (a) This source has a grain elevator with a permanent storage capacity greater than 2.5 million bushels. Therefore, the following emission units, which were constructed or modified after August 3, 1978, are subject to the requirements of the New Source Performance Standards for Grain Elevators (326 IAC 12, 40 CFR 60.300-304, Subpart DD).

Process	Units (Construction Year)
Grain Loading and Unloading	Truck Bay #3 (1987)
Grain Dryer	Zimmerman Column Dryer (1994)
Grain Handling Operations	Silos #109 through #122 (after 1978)

The column dryer at this source was constructed after August 3, 1978. However, this dryer has a column plate perforation less than 0.094 inch. Therefore, this dryer is not subject to the PM emission limits in 40 CFR 60.302(a) for column dryers.

The emissions from Truck Bay #3 and the storage silos are considered fugitive emissions, as defined in 40 CFR 60.301. Pursuant to 40 CFR 60.302(c)(1), fugitive particulate emissions from Truck Bay #3 shall not exceed 5 percent opacity. Pursuant to 40 CFR 60.302(c)(2), fugitive particulate emissions from the storage silos #109 through #122 shall not exceed zero (0) percent opacity.

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 40 CFR Part 63) applicable to this source.
- (c) The solvent used for the degreasing operation at this source (an insignificant activity) does not contain any halogenated HAP as specified in 40 CFR 63.460. Therefore, the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning (40 CFR Part 63.460 - 63.470, Subpart T) are not applicable to the degreasing operation at this source.

### State Rule Applicability – Entire Source

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

The source was constructed in 1950 and modified in 1976, 1977, 1987, 1993, 1994, 1996, and 1999. The source is not in 1 of 28 source categories as defined in 326 IAC 2-2-1(y)(1) and the potential to emit PM/PM10 from the entire source before control is greater than 250 tons/yr in 1980. However, the source has been using a baghouse to control PM/PM10 emissions and the actual PM/PM10 emissions from this source have never exceeded 250 tons/yr since it was constructed in 1950. Each modification after 1980 does not have potential to emit PM/PM10 greater than 250 tons/yr and did not trigger PSD review. The modification in 1993 is to install three (3) storage silos and the modification in 1994 is to install a new grain dryer. Therefore, the modifications in 1993 and 1994 are no considered a single project for PSD review purposes. Since the actual PM/PM10 emissions from this source have never exceeded 250 tons/yr, this existing source is a PSD minor source.

In order to make the source minor under 326 IAC 2-2 (PSD), the source has proposed the following limits:

- (a) The total PM emissions from Truck Bay #1 and #2 shall not exceed 0.01 pound per ton of grain processed. The use of a baghouse with 99% control efficiency for Truck Bays #1 and #2 ensures compliance with this limit.
- (b) The total throughput rates of the following processes shall not exceed the limits listed in the table below. These limits were based on twelve (12) consecutive month period and compliance with these limits is determined at the end of each month.

Process	Throughput Limit (tons/yr)
Total Grain Unloading in Truck Bay #1 and #2	756,000
Total Grain Unloading Rate in Truck Bay #3 and #5 and Pile #16	84,000
Total Grain Unloading Rate in Truck #5 and Pile #16	159,600
Total Grain Loadout in Rail Bay	831,600
Total Gain Loadout in Truck Bays	8,400
Column Dryer	420,00
Rack Dryer	420,00

This is equivalent to 178 tons of PM emissions. Combined with the PM emissions from the storage piles, and the insignificant activities, the PM emissions from the entire source are limited to less than 250 tons/yr. Compliance with this limit makes the source a minor source under 326 IAC 2-2 (PSD).

PM10 emissions are limited to less than the PSD major threshold by the FESOP limits (see discussion of FESOP limits below).

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

This source was modified after July 27, 1997. However, the potential to emit HAPs from the entire source is less than 10 tons per year for a single HAP and less than 25 tons per year for any combination of HAPs. Therefore, the requirements of 326 IAC 2-4.1 are not applicable.

326 IAC 2-8-4 (FESOP)

The potential to emit before control of the entire source is greater than 100 tons/yr for PM10 and less than 100 tons/yr for all other criteria pollutants. Pursuant to 326 IAC 2-8-4 (FESOP) and FESOP #003-5113-00019, issued on December 9, 1996, the source has accepted emission rate limits to limit the PM10 emissions from the entire source to less than 100 tons per year. The source proposed to revise the existing emission rate limits to the following throughput limits:

- (a) The PM10 emissions from the Truck Bays #1 and #2 shall not exceed 0.01 pound per ton of grain processed. The use of a baghouse with 99% control efficiency for Truck Bays #1 and #2 ensures compliance with this limit.
- (b) The total throughput rates of the following processes shall not exceed the limits listed in the table below. These limits were based on twelve (12) consecutive month period and compliance with these limits is determined at the end of each month.

Process	Throughput Limit (tons/yr)
Total Grain Unloading in Truck Bay #1 and #2	754,000
Total Grain Unloading Rate in Truck Bay #3 and #5 and Pile #16	84,000

Process	Throughput Limit (tons/yr)
Total Grain Unloading Rate in Truck #5 and Pile #16	159,600
Total Grain Loadout in Rail Bay	831,600
Total Grain Loadout in Truck Bays	8,400
Column Dryer	420,00
Rack Dryer	420,00

This is equivalent to 46.7 tons of PM10 emissions. Combined with the PM10 emissions from the storage piles and the insignificant activities, the PM10 emissions from the entire source are limited to less than 100 tons/yr. Compliance with these limits makes the requirements of 326 IAC 2-7 (Part 70 Program) not applicable and also makes the source minor for PSD.

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

This source is located in Allen County and the potential to emit of each criteria pollutant is less than one hundred (100) tons per year. Therefore, 326 IAC 2-6 does not apply.

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

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

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

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

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 6-5 (Fugitive Particulate Matter Emission Limitations)**

This source is located in Allen County and received all the necessary preconstruction approvals before December 13, 1985. Therefore, the paved roads are not subject to the requirements of 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations).

**State Rule Applicability - Grain Receiving and Handling Operations**

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

Pursuant to 326 IAC 6-3-2, particulate emissions from each of the following operations shall not exceed the pound per hour limit listed in the table below:

Unit Description	Max. Throughput Rate (tons/hr)	Particulate Emission Limit (lbs/hr)
Truck Unloading/Loadout Bay #1	448	67.6
Truck Unloading Bay #2	392	66.1
Truck Unloading Bay #3	560	70.3
Storage Pile #16	112	52.4
Truck Unloading/Loadout Bay #5	140	54.7
Rail Loadout Bay	616	71.5
Rack dryer	98.0	51.1

Unit Description	Max. Throughput Rate (tons/hr)	Particulate Emission Limit (lbs/hr)
Column dryer	112	52.4
Each Storage Silo	616	71.5

The pounds per hour limitation was calculated with the following equation:

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:

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

According to the emission calculations (see Appendix A), the potential to emit PM after control from the truck loadout bays, storage pile #16, the rail loadout bay, the dryers, and the storage silos is less than the emission limits above. Therefore, these operations are in compliance with 326 IAC 6-3-2. The use of the baghouse for truck unloading bay #1 and #2 ensures compliance with these limits.

### State Rule Applicability - Degreasing Operation (Insignificant Activity)

#### 326 IAC 8-3-2 (Cold Cleaner Operation)

Any degreaser using VOC containing solvents is considered a cold cleaning operation. The degreasing operation at this source was constructed after January 1, 1980 and are subject to 326 IAC 8-3-2. Pursuant to 326 IAC 8-3-2, for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

#### 326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

The degreasing operation at this source was constructed after July 1, 1990 and does not have remote solvent reservoirs, therefore, this degreasing operation is subject to 326 IAC 8-3-5 and has the following requirements:

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:
  - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
    - (A) the solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

- (B) the solvent is agitated; or
  - (C) the solvent is heated.
- (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
- (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kilo Pascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
- (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
  - (B) A water cover when solvent used is insoluble in, and heavier than, water.
  - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5 (b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
  - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
  - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

### Testing Requirements

In order to demonstrate compliance 326 IAC 2-8 (FESOP) and 326 IAC 2-2 (PSD), the source shall perform PM and PM10 stack testing for baghouse BH1, which is used to control Truck Bays #1 and #2. These tests shall be repeated at least once every five (5) years from the date of this valid compliance demonstration.

Truck Bay #3 and Silos #109 through #122 are subject to the opacity limits in NSPS, Subpart DD and are considered fugitive emissions. Therefore, no stack testing is required for these units.

## Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

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

All compliance requirements from previous approvals were incorporated into this FESOP. The compliance monitoring requirements applicable to this source are as follows:

1. The baghouse, which is equipped with the truck Bay #1 and #2, has applicable compliance monitoring conditions as specified below:
  - (a) Visible emissions notations of the baghouse stack exhaust from stack S1 shall be performed once per shift during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.
  - (b) The Permittee shall record the total static pressure drop across the baghouse equipped with the truck unloading Truck Bay #1 and #2 at least once per shift when the unloading station is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouse shall be maintained within the range of 1.0 to 7.0 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.
  - (c) An inspection shall be performed each calendar quarter of the baghouse BH1 controlling the truck unloading bays #1 and #2. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced. In the event that bag failure has been observed:
    - (1) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response

Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. If operations continue after bag failure is observed and it will be 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.

- (2) For single compartment baghouses, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit.

These monitoring conditions are necessary because the baghouse used to control particulate emissions from the truck unloading bays #1 and #2 must operate properly to ensure compliance with 326 IAC 2-8-4(FESOP), 326 IAC 2-2 (PSD), and 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes).

2. Truck Bay #3 and #5, the rail loadout bay, the grain dryers, and the grain storage silos have applicable compliance monitoring conditions as specified below:

Visible emissions notations of the stack exhaust from Truck Bay #3 and #5, the rail loadout bay, the grain dryers, and the grain storage silos shall be performed once per shift during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

These monitoring conditions are necessary because Truck Bay #3 and #5, the rail loadout bay, the grain dryers, and the grain storage silos must operate properly to ensure compliance with 326 IAC 2-8-4 (FESOP), 326 IAC 2-2 (PSD), 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), and 40 CFR 60, Subpart DD.

## Conclusion

The operation of this grain elevator shall be subject to the conditions of the FESOP 003-16506-00287.

**Appendix A: Emission Calculations  
PM and PM10 Emissions  
From the Grain Receiving and Handling Processes**

**Company Name: Central States Enterprises, Inc.  
Address: 356 Hartzell Rd., New Heaven, IN 46774  
FESOP #: F003-16506-00287  
Reviewer: ERG/YC  
Date: March 26, 2004**

**1. Potential to Emit PM/PM10 Before Control:**

Unit Description	Max. Throughput Rate (tons/hr)	Uncontrolled PM Emission Factor (lbs/ton)	PTE of PM before Control (lbs/hr)	PTE of PM before Control (tons/yr)	Uncontrolled PM10 Emission Factor (lbs/ton)	PTE of PM10 before Control (lbs/hr)	PTE of PM10 before Control (tons/yr)
Truck Unloading - Truck Bay #1*	448	0.18	80.6	353	0.059	26.4	116
Truck unloading - Truck Bay #2	392	0.18	70.6	309	0.059	23.1	101
Truck unloading - Truck Bay #3**	560	0.18	0.00	0.00	0.059	0.00	0.00
Truck unloading - Bay #5 *	140	0.18	25.2	110	0.059	8.26	36.2
Truck unloading - Pile 16	112	0.18	20.2	88.3	0.059	6.61	28.9
Rail Loadout Bay	616	0.027	16.6	72.8	0.0022	1.36	5.94
Rack Dryer	98.0	0.47	46.1	202	0.12	11.8	51.5
Column Dryer	112	0.22	24.6	108	0.055	6.16	27.0
Storage Silos	616	0.025	15.4	67.5	0.0063	3.88	17.0
<b>Total</b>				<b>1,243</b>			<b>367</b>

\* These units are used to both loading and unloading grains. Grain receiving is the worst case scenario for these units. Therefore, the EF for grain receiving are used to estimate PTE.

\*\* Truck Bay #3 can not operate when Bay #1, #2 are in operation.

Note: Emission factors are from AP-42, Chapter 9.9.1 - Grain Elevators, Table 9.9.1-1 (03/03).

**Methodology**

PTE of before Control (lbs/hr) = Max. Throughput Rate (tons/hr) x Uncontrolled Emission Factor (lbs/ton)

PTE before Control (tons/yr) = Max. Throughput Rate (tons/hr) x Uncontrolled Emission Factor (lbs/ton) x 8760 hr/yr x 1 ton/2000 lbs

**2. Limited Potential to Emit PM/PM10:**

Truck Bays #1 and #2 are controlled by baghouse BH1 with 99% efficiency.

Unit Description	Throughput Limit (tons/yr)	Uncontrolled PM Emission Factor (lbs/ton)	Uncontrolled PM10 Emission Factor (lbs/ton)	PM Emission Limit (lbs/hr)	PM10 Emission Limit (lbs/hr)	Limited PTE of PM (tons/yr)	Limited PTE of PM10 (tons/yr)
Truck Unloading - Truck Bay #1 and #2	756,000	0.18	0.059	0.01	0.01	3.78	3.78
Truck Unloading - Truck Bay #3 & #5 and Pile 16	84,000	0.18	0.059	NA	NA	7.56	2.48
Rail Loadout Bay	831,600	0.027	0.0022	NA	NA	11.2	0.91
Truck Loadout	8,400	0.086	0.029	NA	NA	0.36	0.12
Column Dryer	420,000	0.22	0.055	NA	NA	46.2	11.6
Rack Dryer	420,000	0.47	0.12	NA	NA	98.7	25.2
Storage Silos	840,000	0.025	0.0063	NA	NA	10.5	2.65
<b>Total</b>						<b>178</b>	<b>46.7</b>

Note: Emission factors are from AP-42, Chapter 9.9.1 - Grain Elevators, Table 9.9.1-1 (05/03).

**Methodology**

Limited PTE for Truck Bay #1 and #2 (tons/yr) = Throughput Limit (tons/yr) x Emission Limit (lbs/ton) x 1 ton/2000 lbs

Limited PTE for Other Processes (tons/yr) = Throughput Limit (tons/yr) x Uncontrolled Emission Factor (lbs/ton) x 1 ton/2000 lbs

**Appendix A: Emission Calculations  
Natural Gas Combustion  
(MMBtu/hr < 100)  
From Two (2) Natural Gas Fired Dryers**

**Company Name: Central States Enterprises, Inc.  
Address: 356 Hartzell Rd., New Haven, IN 46774  
FESOP #: F003-16506-00287  
Reviewer: ERG/YC  
Date: March 26, 2004**

Heat Input Capacity  
MMBtu/hr

**35.2** (2 dryers total)

Potential Throughput  
MMCF/yr

308.4

	Pollutant					
Emission Factor in lb/MMCF	PM*	PM10*	SO <sub>2</sub>	**NO <sub>x</sub>	VOC	CO
	7.6	7.6	0.6	100	5.5	84.0
<b>Potential to Emit in tons/yr</b>	<b>1.17</b>	<b>1.17</b>	<b>0.09</b>	<b>15.4</b>	<b>0.85</b>	<b>13.0</b>

\*PM and PM10 emission factors are condensable and filterable PM10 combined.

\*\*Emission factors for NO<sub>x</sub>: Uncontrolled = 100.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (AP-42 Supplement D 3/98)

**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

Potential to Emit (tons/yr) = Potential Throughput (MMCF/yr) x Emission Factor (lb/MMCF) x 1 ton/2000 lbs

**Appendix A: Emission Calculations  
Potential Emissions  
From Storage Piles (Fugitive)**

**Company Name: Central States Enterprises, Inc.  
Address: 356 Hartzell Rd., New Haven, IN 46774  
FESOP #: F003-16506-00287  
Reviewer: ERG/YC  
Date: March 26, 2004**

**1. Emission Factors:**

According to AP42, Chapter 13.2.4 - Aggregate Handling and Storage Piles, the PM/PM10 emission factors for storage piles can be estimated from the following equation:

$$E_f = \frac{.0032 \times (U/5)^{1.3} \times k}{(M/2)^{1.4}}$$

where:

E <sub>f</sub> = Emission Factor (lbs/ton)	
k = Particle size multiplier =	1 for PM and 0.35 for PM10
U = Mean wind speed (mph) =	12 mph
M = Moisture content (%) =	1.5 %

Therefore,

PM Emission Factor =	0.0149 lbs/ton process
PM10 Emission Factor =	0.0052 lbs/ton process

**2. Uncontrolled PM/PM10 emissions from storage piles:**

Max. Throughput Rate:                      212 tons/hr                      (8 piles total)

**Potential PM =**      212 ton/hr x 0.0149 lbs/ton x 8760 hr/yr x 1 tons/2000 lbs =                      **13.9 tons/yr**

**Potential PM10 =**      212 ton/hr x 0.0052 lbs/ton x 8760 hr/yr x 1 tons/2000 lbs =                      **4.86 tons/yr**

**Appendix A: Emission Calculations  
Potential Emissions  
From the Paved Roads (Fugitive Emissions)**

**Company Name: Central States Enterprises, Inc.  
Address: 356 Hartzell Rd., New Haven, IN 46774  
FESOP #: F003-16506-00287  
Reviewer: ERG/YC  
Date: March 26, 2004**

**1. Emission Factors:**

According to AP42, Chapter 13.2.1 - Paved Roads (12/03), the PM/PM10 emission factors for the paved roads can be estimated from the following equation:

$$E = k \times (sL/2)^{0.65} \times (w/3)^{1.5} - C$$

where:

E = emission factor (lb/VMT)	
k = particle size multiplier =	0.016 for PM10;      0.082 for PM
sL = silt content/loading =	0.6 (from AP-42, Table 13.2.1-3)
W = mean vehicle weight =	24.5 tons (provided by the source)
C = emission factor for vehicles exhaust, etc.	0.00047 for PM10;      0.00047 for PM
VMT = vehicle mile traveled =	24,170 miles/yr (provided by the source)

**2. Potential to Emit from Paved Road:**

PM10 Emission Factor =	$0.016 \times (0.6/2)^{0.65} \times (24.5/3)^{1.5} - 0.00047 =$	0.170 lbs/VMT
PM Emission Factor =	$0.082 \times (0.6/2)^{0.65} \times (24.5/3)^{1.5} - 0.00047 =$	0.875 lbs/VMT

<b>Potential to Emit PM10 (tons/yr) =</b>	$24,170 \text{ mile/yr} \times 0.170 \text{ lbs/mile} \times 1 \text{ ton}/2000 \text{ lbs} =$	<b>2.06 tons/yr</b>
<b>Potential to Emit PM (tons/yr) =</b>	$24,170 \text{ mile/yr} \times 0.875 \text{ lbs/mile} \times 1 \text{ ton}/2000 \text{ lbs} =$	<b>10.6 tons/yr</b>

**Appendix A: Emission Calculations  
Natural Gas Combustion  
(MMBtu/hr < 100)  
From Natural Gas Fired Space Heaters (Insignificant)**

**Company Name: Central States Enterprises, Inc.  
Address: 356 Hartzell Rd., New Haven, IN 46774  
FESOP #: F003-16506-00287  
Reviewer: ERG/YC  
Date: March 26, 2004**

Heat Input Capacity  
MMBtu/hr

Potential Throughput  
MMCF/yr

1.00 (6 units total)

8.8

	Pollutant					
Emission Factor in lb/MMCF	PM*	PM10*	SO <sub>2</sub>	**NO <sub>x</sub>	VOC	CO
	7.6	7.6	0.6	100	5.5	84.0
<b>Potential to Emit in tons/yr</b>	<b>0.03</b>	<b>0.03</b>	<b>2.6E-03</b>	<b>0.44</b>	<b>0.02</b>	<b>0.37</b>

\*PM and PM10 emission factors are condensable and filterable PM10 combined.

\*\*Emission factors for NO<sub>x</sub>: Uncontrolled = 100.

Emission factors are from AP-42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (AP-42 Supplement D 3/98)

**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

Potential to Emit (tons/yr) = Potential Throughput (MMCF/yr) x Emission Factor (lb/MMCF) x 1 ton/2000 lbs