INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: March 21, 2006

RE: Consolidated Grain and Barge Co. / 019-21478-00001

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 1/10/05

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NEW SOURCE REVIEW AND FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) RENEWAL OFFICE OF AIR QUALITY

Consolidated Grain and Barge Co.
5130 Port Road
Jeffersonville, Indiana 47130

(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. This permit also addresses new source review requirements and is intended to fulfill the new source review procedures and permit revision requirements pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

Operation Permit No.: F019-21478-00001	
Issued by: Original signed by Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: March 21, 2006 Expiration Date: March 21, 2011

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary grain elevator and bulk handing plant.

Authorized individual:	Manager
Source Address:	5130 Port Road, Jeffersonville, Indiana 47130
Mailing Address:	5130 Port Road, Jeffersonville, Indiana 47130
General Source Phone:	(812) 283-9500
SIC Code:	5153, 2873
County Location:	Clark
Source Location Status:	Nonattainment for PM2.5 and Ozone under 8-hour Standard Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset; Minor Source, Section 112 of the Clean Air Act Not in 1 of 28 Source Categories

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

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

(a) One (1) grain unloading operation, constructed in 1984, controlled by baghouse BH1, and consisting of the following:

(1) Two (2) truck pits, with a total maximum throughput rate of 1,120 tons/hr, equipped with quick-closing bi-fold doors.

(2) Two (2) rail pits, identified as R-1 and R-2, with a maximum throughput rate of 840 tons/yr and 224 tons/hr, respectively.

(b) One (1) grain handling operation, constructed after 1984, with a maximum throughput rate of 1,120 tons/hr, controlled by baghouse BH1, and consisting of the following:

(1) One (1) rail belt conveyor, identified as M-1, with a maximum capacity of 224 tons/hr.

(2) Two (2) enclosed reclaim drag conveyors, identified as M-2 and M-3, each with a maximum capacity of 560 tons/hr.

(3) Two (2) grain legs, identified as M-4 and M-5, each with a maximum capacity of 560 tons/hr.

(4) Two (2) reclaim drag conveyors, identified as M-7 and M-8, constructed in 2006, each with a maximum capacity of 700 tons/hr.

(5) One (1) barge shipping belt conveyor, identified as M-9, with a maximum capacity of 840 tons/hr.

(6) One (1) dryer wet leg, identified as M-13, with a maximum capacity of 112 tons/hr.

(7) One (1) dryer reclaim drag conveyor, identified as M-15, with a maximum capacity of 84 tons/hr.

(8) One (1) dryer dry leg, identified as M-16, with a maximum capacity of 84 tons/hr.

(9) One (1) dryer dry drag #2 conveyor, identified as M-17, with a maximum capacity of 84 tons/hr.

(10) One (1) bin 14 reclaim belt conveyor, identified as 14-R, with a maximum capacity of 560 tons/hr.

(11) One (1) bin 14 transfer drag conveyor, identified as 14-T, with a maximum capacity of 560 tons/hr.

(12) One (1) bin 14 fill belt conveyor, identified as 14-F, with a maximum capacity of 840 tons/hr.

(13) Two (2) gluten drag conveyors, identified as G-1 and G-2, each with a maximum capacity of 210 tons/hr.

(c) One (1) natural gas-fired continuous flow dryer, constructed in 1984, with a maximum capacity of 80 tons/hr and a maximum heat input rate of 20 MMBtu/hr.

(d) Fourteen (14) grain storage bins, constructed after 1984, with a total maximum throughput rate of 560 tons/hr, consisting of the following:

(1) Eight (8) storage bins, identified as #1, #2, #4, #5, #9, #10, #12, and #13, each with a maximum capacity of 1,900 tons.

(2) One (1) storage bin, identified as #3, with a maximum capacity of 475 tons.

(3) Two (2) storage bins, identified as #6 and #8, each with a maximum capacity of 350 tons.

(4) One (1) storage bin, identified as #7, with a maximum capacity of 850 tons.

(5) One (1) storage bin, identified as #11, with a maximum capacity of 474 tons.

(6) One (1) storage bin, identified as #14, with a maximum capacity of 18,200 tons.

(7) Fourteen (14) enclosed spouts, each with a maximum capacity of 420 tons/hr.

(e) Four (4) gluten storage bins, identified as #1a through #4a, constructed after 1984, each with a maximum capacity of 100 tons, with a total maximum throughput rate of 210 tons/hr.

(f) One (1) gluten truck loadout operation, constructed after 1984, with a maximum throughput rate of 384 tons per hour.

(g) One (1) grain loadout operation, constructed in 1984, and consisting of the following:

(1) One (1) barge loadout operation for grain, with a maximum capacity of 700 tons/hr.

(2) Five (5) truck loadout operations for grains, each with a maximum capacity of 384 tons/hr.

(3) One (1) rail loadout operation, with a maximum capacity of 560 tons/hr.

(h) One (1) truck loadout operation for gluten, constructed in 1984, with a maximum capacity of 384 tons/hr.

(i) One (1) rail unloading pit for bulk products, constructed in 1984, with a maximum capacity of 300 tons/hr. This unit is choke fed to reduce dust.

(j) One (1) bulk product handling operation, constructed after 1984, and consisting of the following:

(1) One (1) bulk receiving belt conveyor, identified as F-1, with a maximum capacity of 900 tons/hr.

(2) One (1) reversing belt conveyor, identified as F-2, with a maximum capacity of 400 tons/hr.

(3) One (1) radial stacker belt conveyor, identified as F-3, with a maximum capacity of 400 tons/hr.

(4) One (1) cross conveyor, identified as F-4, constructed in 2005, with a maximum capacity of 400 tons/hr.

(5) One (1) fertilizer building fill conveyor belt, identified as F-5, constructed in 2005, with a maximum capacity of 400 tons/hr.

(6) One (1) reclaim radial belt conveyor, identified as F-6, with a maximum capacity of 300 tons/hr.

(7) One (1) salt stacking belt conveyor, identified as F-7, with a maximum capacity of 200 tons/hr.

(8) One (1) fertilizer building reclaim hopper/belt, identified as F-8, constructed in 2005, with a maximum capacity of 400 tons/hr.

(9) One (1) rail receiving drag conveyor, identified as F-9, with a maximum capacity of 300 tons/hr.

(10) One (1) rail receiving leg, identified as F-10, with a maximum capacity of 300 tons/hr.

(11) One (1) dome reclaim hopper/belt conveyor, identified as F-11, with a maximum capacity of 300 tons/hr.

(12) Two (2) hoppers for unloading barges and loading of trucks and railcars, each with a maximum capacity of 400 tons/hr.

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) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4][326 IAC 6-5].

(b) Other emission units, not regulated by a NESHAP, with PM10, NOx, and SO_2 emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single

HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:

(1) Two (2) storage domes for fertilizer and bulk products, with a total maximum capacity of 7,500 tons.

(2) One (1) warehouse for storage of bulk products, with a maximum capacity of 6,000 tons.

(3) One (1) warehouse for storage of bulk products, constructed in 2005, with a maximum capacity of 12,000 tons.

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. One (1) certification may cover multiple forms in one (1) submittal.

(c) An authorized individual is defined at 326 IAC 2-1.1-1(1).

B.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 April 15 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and

(5) Such other facts as specified in Sections D of this permit, 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) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ,. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

B.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
Indianapolis, Indiana 46204-2251

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

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

(A) A description of the emergency;

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

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by 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) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.

(g) Operations may continue during an emergency only if the following conditions are met:

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

(2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:

(A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

(B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

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

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

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

(a) Deviations from any permit requirements (for emergencies see Section B - Emergency 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
Indianapolis, Indiana 46204-2251

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

The Quarterly Deviation and Compliance Monitoring Report does require the certification by 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]

(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)]

(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
Indianapolis, Indiana 46204-2251

(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
Indianapolis, Indiana 46204-2251

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 limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emissions trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make 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 emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).

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

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

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

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

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

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

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

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

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

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

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

B.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
Indianapolis, Indiana 46204-2251

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 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.23 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2 1.1-9]

(a) The requirements to obtain a permit revision under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.

(b) Pursuant to 326 IAC 2 1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction work is suspended for a continuous period of one (1) year or more.

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

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall

preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 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. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-1-1.5 (Nonattainment NSR) 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) 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.

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

C.2 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 thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

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

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

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

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

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

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on September 28, 2005. The plan is included as Attachment A.

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

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

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

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by 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.9 Performance Testing [326 IAC 3-6]

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by 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.10 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented 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.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

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

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (2%) of full scale reading.

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

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

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

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

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

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit(s) (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation;

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

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

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

(1) monitoring results;

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

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

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

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

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred 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.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(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
Indianapolis, Indiana 46204-2251

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

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

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

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

(a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156

(b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(a) One (1) grain unloading operation, constructed in 1984, controlled by baghouse BH1, and consisting of the following:

(1) Two (2) truck pits, with a total maximum throughput rate of 1,120 tons/hr, equipped with quick-closing bi-fold doors.

(2) Two (2) rail pits, identified as R-1 and R-2, with a maximum throughput rate of 840 tons/yr and 224 tons/hr, respectively.

(b) One (1) grain handling operation, constructed after 1984, with a maximum throughput rate of 1,120 tons/hr, controlled by baghouse BH1, and consisting of the following:

(1) One (1) rail belt conveyor, identified as M-1, with a maximum capacity of 224 tons/hr.

(2) Two (2) enclosed reclaim drag conveyors, identified as M-2 and M-3, each with a maximum capacity of 560 tons/hr.

(3) Two (2) grain legs, identified as M-4 and M-5, each with a maximum capacity of 560 tons/hr.

(4) Two (2) reclaim drag conveyors, identified as M-7 and M-8, constructed in 2006, each with a maximum capacity of 700 tons/hr.

(5) One (1) barge shipping belt conveyor, identified as M-9, with a maximum capacity of 840 tons/hr.

(6) One (1) dryer wet leg, identified as M-13, with a maximum capacity of 112 tons/hr.

(7) One (1) dryer reclaim drag conveyor, identified as M-15, with a maximum capacity of 84 tons/hr.

(8) One (1) dryer dry leg, identified as M-16, with a maximum capacity of 84 tons/hr.

(9) One (1) dryer dry drag #2 conveyor, identified as M-17, with a maximum capacity of 84 tons/hr.

(10) One (1) bin 14 reclaim belt conveyor, identified as 14-R, with a maximum capacity of 560 tons/hr.

(11) One (1) bin 14 transfer drag conveyor, identified as 14-T, with a maximum capacity of 560 tons/hr.

(12) One (1) bin 14 fill belt conveyor, identified as 14-F, with a maximum capacity of 840 tons/hr.

(13) Two (2) gluten drag conveyors, identified as G-1 and G-2, each with a maximum capacity of 210 tons/hr.

(c) One (1) natural gas-fired continuous flow dryer, constructed in 1984, with a maximum capacity of 80 tons/hr and a maximum heat input rate of 20 MMBtu/hr.

(d) Fourteen (14) grain storage bins, constructed after 1984, with a total maximum throughput rate of 560 tons/hr, consisting of the following:

SECTION D.1 FACILITY OPERATION CONDITIONS

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

(1) Eight (8) storage bins, identified as #1, #2, #4, #5, #9, #10, #12, and #13, each with a maximum capacity of 1,900 tons.

(2) One (1) storage bin, identified as #3, with a maximum capacity of 475 tons.

(3) Two (2) storage bins, identified as #6 and #8, each with a maximum capacity of 350 tons.

(4) One (1) storage bin, identified as #7, with a maximum capacity of 850 tons.

(5) One (1) storage bin, identified as #11, with a maximum capacity of 474 tons.

(6) One (1) storage bin, identified as #14, with a maximum capacity of 18,200 tons.

(7) Fourteen (14) enclosed spouts, each with a maximum capacity of 420 tons/hr.

(e) Four (4) gluten storage bins, identified as #1a through #4a, constructed after 1984, each with a maximum capacity of 100 tons, with a total maximum throughput rate of 210 tons/hr.

(f) One (1) gluten truck loadout operation, constructed after 1984, with a maximum throughput rate of 384 tons per hour.

(g) One (1) grain loadout operation, constructed in 1984, and consisting of the following:

(1) One (1) barge loadout operation for grain, with a maximum capacity of 700 tons/hr.

(2) Five (5) truck loadout operations for grains, each with a maximum capacity of 384 tons/hr.

(3) One (1) rail loadout operation, with a maximum capacity of 560 tons/hr.

(h) One (1) truck loadout operation for gluten, constructed in 1984, with a maximum capacity of 384 tons/hr.

(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 PM and PM10 Limits [326 IAC 2-8-4] [326 IAC 2-2] [326 IAC 2-1.1-5]

Pursuant to 326 IAC 2-8-4 (FESOP) and in order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the Permittee shall comply with the following:

(a) The total PM/PM10 emissions from the grain receiving and handling operations, which are controlled by baghouse BH1, shall not exceed the emission limitations listed in the table below:

Emission Unit	PM Limit (lbs/hr)	PM10 Limit (lbs/hr)
Grain Receiving and Handling Operations	3.04	1.12

(b) The throughput rate of the following operations shall not exceed the throughput limit listed in the table below per twelve (12) consecutive month period with compliance determined at the end of each month:

Process Description	Annual Throughput Limit (tons/yr)
Grain Dryer	116,000
Barge Loadout	1,160,000
Truck Loadout	145,000
Rail Loadout	290,000

Combined with the PM/PM10 emissions from other emission units and the insignificant activities, the PM emissions from the entire source are limited to less than 250 tons/yr and the PM10 emissions from the entire source are limited to 100 tons/yr. Therefore, the requirements of 326 IAC 2-7 (Part 70 Program), 326 IAC 2-2 (PSD), and 326 IAC 2-1.1-5 (Nonattainment NSR) are not applicable.

D.1.2 Particulate Emission Limitations [326 IAC 6.5-1-2]

(a) Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2), particulate matter (PM) from each of the grain receiving, handling, and loadout operations shall not exceed 0.03 grain per dry standard cubic foot (gr/dscf) of exhaust air.

(b) Pursuant to 326 IAC 6.5-1-2(d)(2) (formerly 326 IAC 6-1-2(d)(2)) and F019-21478-00001, issued on April 12, 2001, the Permittee shall provide for housekeeping and maintenance procedures that minimize the opportunity for particulate matter to become airborne and leave the property, such as the following:

(1) Housekeeping practices shall be conducted as follows:

(A) Areas to be swept and maintained shall include, at a minimum, the following:

(i) General grounds, yard, and other open areas.

(ii) Floors, decks, hopper areas, loading areas, dust collectors, and all areas of dust or waste concentrations.

(iii) Grain driers with respect to accumulated particulate matter.

(B) Cleanings and other collected waste material shall be handled and disposed of so that the area does not generate fugitive dust.

(C) Dust from driveways, access roads, and other areas of travel shall be controlled.

(D) Accidental spills and other accumulations shall be cleaned up as soon as possible but no later than at completion of the day's operation.

(2) Equipment maintenance shall consist of procedures that eliminate or minimize emissions from equipment or a system caused by the following:

(A) Malfunctions.

(B) Breakdowns.

(C) Improper adjustment.

(D) Operating above the rated or designed capacity.

(E) Not following designed operating specifications.

(F) Lack of good preventive maintenance care.

(G) Lack of critical and proper spare replacement parts on hand.

(H) Lack of properly trained and experienced personnel.

(3) Emissions from the affected areas, operations, equipment, and systems shall not exceed twenty percent (20%) opacity as determined under 326 IAC 5-1.

D.1.3 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.1.4 Particulate Control

(a) In order to comply with Conditions D.1.1 and D.1.2(a), the baghouse shall be in operation and control emissions from the grain receiving and handling operations at all times that these facilities are in operation.

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

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

D.1.5 Visible Emissions Notations

(a) Visible emission notations of the exhausts from the baghouse stack shall be performed daily 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) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouse used in conjunction with the grain receiving and handling operations, at least once per day when the any of the grain receiving and handling is in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.5 and 3.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C-Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.7 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

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

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

D.1.8 Record Keeping Requirements

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

(1) The amount of grain processed in the grain dryer.

(2) The amount of grain shipped by barges.

(3) The amount of grain shipped by trucks.

(4) The amount of grain shipped by railcars.

(b) To document compliance with Condition D.1.5, the Permittee shall maintain records of the daily visible emission notations.

(c) To document compliance with Condition D.1.6, the Permittee shall maintain once per day records of the pressure drop during normal operation.

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.9 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.1(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)]:

(i) One (1) rail unloading pit for bulk products, constructed in 1984, with a maximum capacity of 300 tons/hr. This unit is choke fed to reduce dust.

(j) One (1) bulk product handling operation, constructed after 1984, and consisting of the following:

(1) One (1) bulk receiving belt conveyor, identified as F-1, with a maximum capacity of 900 tons/hr.

(2) One (1) reversing belt conveyor, identified as F-2, with a maximum capacity of 400 tons/hr.

(3) One (1) radial stacker belt conveyor, identified as F-3, with a maximum capacity of 400 tons/hr.

(4) One (1) cross conveyor, identified as F-4, constructed in 2005, with a maximum capacity of 400 tons/hr.

(5) One (1) fertilizer building fill conveyor belt, identified as F-5, constructed in 2005, with a maximum capacity of 400 tons/hr.

(6) One (1) reclaim radial belt conveyor, identified as F-6, with a maximum capacity of 300 tons/hr.

(7) One (1) salt stacking belt conveyor, identified as F-7, with a maximum capacity of 200 tons/hr.

(8) One (1) fertilizer building reclaim hopper/belt, identified as F-8, constructed in 2005, with a maximum capacity of 400 tons/hr.

(9) One (1) rail receiving drag conveyor, identified as F-9, with a maximum capacity of 300 tons/hr.

(10) One (1) rail receiving leg, identified as F-10, with a maximum capacity of 300 tons/hr.

(11) One (1) dome reclaim hopper/belt conveyor, identified as F-11, with a maximum capacity of 300 tons/hr.

(12) Two (2) hoppers for unloading barges and loading of trucks and railcars, each with a maximum capacity of 400 tons/hr.

(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 Particulate Emission Limitations [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a) (formerly 326 IAC 6-1-2), particulate matter (PM) from each of the bulk receiving and handling operations shall not exceed 0.03 grain per dry standard cubic foot (gr/dscf) of exhaust air.

D.2.2 Fugitive PM Emission Limitations [326 IAC 6-5-4]

Pursuant to 326 IAC 6-5-4 (Fugitive Particulate Matter Emission Limitations), the Permittee shall control fugitive particulate matter emissions as follows:

(a) Paved roads, unpaved roads, and parking lots:

Fugitive particulate matter emissions resulting from paved roads, unpaved roads, and parking lots shall be controlled using one or more of the following measures:

(1) Paved roads and parking lots:

(A) Cleaning by vacuum sweeping.

(B) Flushing.

(C) An equivalent alternate measure.

(2) Unpaved roads and parking lots:

(A) Paving with a material such as asphalt or concrete.

(B) Treating with a suitable and effective oil or chemical dust suppressant approved by the commissioner. The frequency of application shall be on an as needed basis.

(C) Spraying with water, the frequency of application shall be on an as needed basis.

(D) Double chip and seal the road surface and maintain on an as needed basis.

(E) An equivalent alternate measure.

(b) Open aggregate piles:

(1) Measures to control fugitive particulate matter emissions shall be required for open aggregate piles consisting of material such as, but not limited to, sand, gravel, stone, grain, and coal and which material is finer than two hundred (200) mesh size equal to or greater than one percent (1%) by weight. Open aggregate material mesh size shall be determined by the “American Association of State Highway and Transportation Officials Test Method T27-74,” or other equivalent procedures acceptable to the commissioner.

(2) Fugitive particulate matter emissions resulting from open aggregate piles consisting of such material as, but not limited to, sand, gravel, stone, grain, and coal shall be controlled using one or more of the following measures:

(A) Cleaning the area around the perimeter of the aggregate piles.

(B) Application of a suitable and effective oil or other dust suppressant on an as needed basis.

(C) An equivalent alternate measure.

(c) Fugitive particulate matter emissions resulting from outdoor conveying of aggregate material such as, but not limited to, sand, gravel, stone, grain, and coal, by equipment such as belt conveyors and bucket elevators shall be controlled using one or more of the following measures:

(1) Enclosing the conveyor belt totally on the top and sides as needed to minimize visible emissions. Also, if needed, exhausting emissions to particulate control equipment during operation of conveyor.

(2) Applying water or suitable and effective chemical dust suppressant at the feed and/or intermediate points as needed to minimize visible emissions.

(3) An equivalent alternate measure.

(d) Fugitive particulate matter emissions resulting from the transferring of aggregate material shall be controlled using one or more of the following measures:

(1) Minimizing the vehicular distance between the transfer points.

(2) Enclosing the transfer points and if needed exhausting emissions to particulate control equipment during the operation of the transferring system.

(3) Application of water or suitable and effective chemical dust suppressant as needed to minimize visible emissions.

(4) An equivalent alternate measure.

(e) Fugitive particulate matter emissions resulting from transportation of aggregate material by truck, front end loaders, or similar vehicles shall be controlled using one or more of the following measures:

(1) Use of completely enclosed vehicles.

(2) Tarping the vehicle.

(3) Maintaining the vehicle body in such a condition that prevents any leaks of aggregate material.

(4) Spraying the materials in the vehicle with a suitable and effective dust suppressant.

(5) An alternate measure.

(f) Fugitive particulate matter emissions resulting from the loading and unloading operations of the material from storage facilities such as bins, hoppers, and silos, onto or out of vehicles, shall be controlled using one or more of the following measures:

(1) Enclosure of the material loading/unloading area.

(2) Total or partial enclosure of the facility and exhausting of emissions to particulate collection equipment. Such equipment shall be approved by the board.

(3) Spraying with water or suitable and effective chemical dust suppressant as needed to minimize visible emissions.

(4) Reduction of free fall distance.

(5) An equivalent alternate measure.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Consolidated Grain and Barge Co.
Source Address: 5130 Port Road, Jeffersonville, Indiana 47130
Mailing Address: 5130 Port Road, Jeffersonville, Indiana 47130
FESOP No.: F019-21478-00001

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)_____

☐ Report (specify)_____

☐ Notification (specify)_____

☐ Affidavit (specify)_____

☐ Other (specify)_____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Signature:
Printed Name:
Title/Position:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-5674
Fax: 317-233-5967

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)
EMERGENCY OCCURRENCE REPORT

Source Name:	Consolidated Grain and Barge Co.
Source Address:	5130 Port Road, Jeffersonville, Indiana 47130
Mailing Address:	5130 Port Road, Jeffersonville, Indiana 47130
FESOP No.:	F019-21478-00001

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: PM, PM10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

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

FESOP Quarterly Report

Source Name:	Consolidated Grain and Barge Co.
Source Address:	5130 Port Road, Jeffersonville, Indiana 47130
Mailing Address:	5130 Port Road, Jeffersonville, Indiana 47130
FESOP No.:	F019-21478-00001
Facility:	Grain Dryer
Parameter:	Total grain processed
Limit:	Less than 116,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:_____

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

☐ No deviation occurred in this quarter.

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

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

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:	Consolidated Grain and Barge Co.
Source Address:	5130 Port Road, Jeffersonville, Indiana 47130
Mailing Address:	5130 Port Road, Jeffersonville, Indiana 47130
FESOP No.:	F019-21478-00001
Facility:	Barge Loadout Operation for Grain
Parameter:	The amount of grain loadout
Limit:	Less than 1,160,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:_____

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

☐ No deviation occurred in this quarter.

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

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

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:	Consolidated Grain and Barge Co.
Source Address:	5130 Port Road, Jeffersonville, Indiana 47130
Mailing Address:	5130 Port Road, Jeffersonville, Indiana 47130
FESOP No.:	F019-21478-00001
Facility:	Truck Loadout Operation for Grain
Parameter:	The amount of grain loadout
Limit:	Less than 145,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:_____

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

☐ No deviation occurred in this quarter.

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

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

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:	Consolidated Grain and Barge Co.
Source Address:	5130 Port Road, Jeffersonville, Indiana 47130
Mailing Address:	5130 Port Road, Jeffersonville, Indiana 47130
FESOP No.:	F019-21478-00001
Facility:	Rail Loadout Operation for Grain
Parameter:	The amount of grain loadout
Limit:	Less than 290,000 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

YEAR:_____

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

☐ No deviation occurred in this quarter.

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

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

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: Consolidated Grain and Barge Co.
Source Address: 5130 Port Road, Jeffersonville, Indiana 47130
Mailing Address: 5130 Port Road, Jeffersonville, Indiana 47130
FESOP No.: F019-21478-00001

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

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

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

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

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

ATTACHMENT A

Fugitive Dust Control Plan
Consolidated Grain and Barge Company
5130 Port Road
Jeffersonville, Indiana 47130
09/28/05

Background

Fugitive dust sources of significance from this site can be categorized into two (2) groups: roadways and inactive ground level areas not dedicated to any particular use.

Total site size is 20.2 acres. Site has approximately 2,518 sq yd of unpaved roadways.

Plan of Control

A. Person responsible for plan implementation:
Facility Manager
5130 Port Road
Jeffersonville, Indiana 47130

B. Roadway Control Measures

1. Vehicle speed on unpaved roadways will be controlled to speeds ranging up to 20 mph.

2. The paved roadways will be swept as needed with either brooms or a mechanical sweeper.

3. The unpaved roadways will be controlled as needed using a water spray or other dust suppressant control.

C. Open Areas

1. Vehicle traffic will be restricted from these sites. Current site traffic does not travel on these areas.

2. Natural vegetative encroachment will be allowed and promoted. Current open areas are covered in natural vegetation consisting of grasses.

D. Plan implementation

The effective date of this plan is 9-30-05.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a New Source Review and a Federally Enforceable State Operating Permit (FESOP) Renewal

Source Background and Description

Source Name:	Consolidated Grain and Barge Co.
Source Location:	5130 Port Road, Jeffersonville, Indiana 47130
County:	Clark
SIC Code:	5153, 2873
Operation Permit No.:	F019-11348-00001
Operation Permit Issuance Date:	April 12, 2001
Permit Renewal No.:	F019-21478-00001
Permit Reviewer:	ERG/YC

The Office of Air Quality (OAQ) has reviewed a FESOP renewal application from Consolidated Grain and Barge Co. relating to the operation of a grain elevator and bulk handling plant.

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 operation, constructed after 1984, controlled by baghouse BH1, and consisting of the following:

(1) Two (2) truck pits, with a total maximum throughput rate of 1,120 tons/hr, equipped with quick-closing bi-fold doors.

(2) Two (2) rail pits, identified as R-1 and R-2, with a maximum throughput rate of 840 tons/yr and 224 tons/hr, respectively.

(b) One (1) grain handling operation, constructed in 1984, with a maximum throughput rate of 1,120 tons/hr, controlled by baghouse BH1, and consisting of the following:

(1) One (1) rail belt conveyor, identified as M-1, with a maximum capacity of 224 tons/hr.

(2) Two (2) enclosed reclaim drag conveyors, identified as M-2 and M-3, each with a maximum capacity of 560 tons/hr.

(3) Two (2) grain legs, identified as M-4 and M-5, each with a maximum capacity of 560 tons/hr.

(4) Two (2) reclaim drag conveyors, identified as M-7 and M-8, constructed in 2005, each with a maximum capacity of 700 tons/hr.

(5) One (1) barge shipping belt conveyor, identified as M-9, with a maximum capacity of 840 tons/hr.

(6) One (1) dryer wet leg, identified as M-13, with a maximum capacity of 112 tons/hr.

(7) One (1) dryer reclaim drag conveyor, identified as M-15, with a maximum capacity of 84 tons/hr.

(8) One (1) dryer dry leg, identified as M-16, with a maximum capacity of 84 tons/hr.

(9) One (1) dryer dry drag #2 conveyor, identified as M-17, with a maximum capacity of 84 tons/hr.

(10) One (1) bin 14 reclaim belt conveyor, identified as 14-R, with a maximum capacity of 560 tons/hr.

(11) One (1) bin 14 transfer drag conveyor, identified as 14-T, with a maximum capacity of 560 tons/hr.

(12) One (1) bin 14 fill belt conveyor, identified as 14-F, with a maximum capacity of 840 tons/hr.

(13) Two (2) gluten drag conveyors, identified as G-1 and G-2, each with a maximum capacity of 210 tons/hr.

(c) One (1) natural gas-fired continuous flow dryer, constructed in 1984, with a maximum capacity of 80 tons/hr and a maximum heat input rate of 20 MMBtu/hr.

(d) Fourteen (14) grain storage bins, constructed after 1984, with a total maximum throughput rate of 560 tons/hr, consisting of the following:

(1) Eight (8) storage bins, identified as #1, #2, #4, #5, #9, #10, #12, and #13, each with a maximum capacity of 1,900 tons.

(2) One (1) storage bin, identified as #3, with a maximum capacity of 475 tons.

(3) Two (2) storage bins, identified as #6 and #8, each with a maximum capacity of 350 tons.

(4) One (1) storage bin, identified as #7, with a maximum capacity of 850 tons.

(5) One (1) storage bin, identified as #11, with a maximum capacity of 474 tons.

(6) One (1) storage bin, identified as #14, with a maximum capacity of 18,200 tons.

(7) Fourteen (14) enclosed spouts, each with a maximum capacity of 420 tons/hr.

(e) Four (4) gluten storage bins, identified as #1a through #4a, constructed after 1984, each with a maximum capacity of 100 tons, with a total maximum throughput rate of 210 tons/hr.

(f) One (1) gluten truck loadout operation, constructed after 1984, with a maximum throughput rate of 384 tons per hour.

(g) One (1) grain loadout operation, constructed in 1984, and consisting of the following:

(1) One (1) barge loadout operation for grain, with a maximum capacity of 700 tons/hr.

(2) Five (5) truck loadout operations for grains, each with a maximum capacity of 384 tons/hr.

(3) One (1) rail loadout operation, with a maximum capacity of 560 tons/hr.

(h) One (1) truck loadout operation for gluten, constructed in 1984, with a maximum capacity of 384 tons/hr.

(i) One (1) rail unloading pit for bulk products, constructed in 1984, with a maximum capacity of 300 tons/hr. This unit is choke fed to reduce dust.

(j) One (1) bulk product handling operation, constructed after 1984, and consisting of the following:

(1) One (1) bulk receiving belt conveyor, identified as F-1, with a maximum capacity of 900 tons/hr.

(2) One (1) reversing belt conveyor, identified as F-2, with a maximum capacity of 400 tons/hr.

(3) One (1) radial stacker belt conveyor, identified as F-3, with a maximum capacity of 400 tons/hr.

(4) One (1) cross conveyor, identified as F-4, constructed in 2005, with a maximum capacity of 400 tons/hr.

(5) One (1) fertilizer building fill conveyor belt, identified as F-5, constructed in 2005, with a maximum capacity of 400 tons/hr.

(6) One (1) reclaim radial belt conveyor, identified as F-6, with a maximum capacity of 300 tons/hr.

(7) One (1) salt stacking belt conveyor, identified as F-7, with a maximum capacity of 200 tons/hr.

(8) One (1) fertilizer building reclaim hopper/belt, identified as F-8, constructed in 2005, with a maximum capacity of 400 tons/hr.

(9) One (1) rail receiving drag conveyor, identified as F-9, with a maximum capacity of 300 tons/hr.

(10) One (1) rail receiving leg, identified as F-10, with a maximum capacity of 300 tons/hr.

(11) One (1) dome reclaim hopper/belt conveyor, identified as F-11, with a maximum capacity of 300 tons/hr.

(12) Two (2) hoppers for unloading barges and loading of trucks and railcars, each with a maximum capacity of 400 tons/hr.

Unpermitted Emission Units and Pollution Control Equipment

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

New Emission Units and Pollution Control Equipment

The application includes information relating to the prior approval for the construction and operation of the following equipment pursuant to 326 IAC 2-8-4(11):

Two (2) reclaim drag conveyors for the grain handling operation, identified as M-7 and M-8, constructed in 2006, each with a maximum capacity of 700 tons/hr, and controlled by the existing baghouse BH1. These units will replace the existing two (2) 420 tons/yr reclaim drag conveyors for grain handling operations. The potential to emit PM/PM10 from the new conveyors is greater than 5 tons/yr before control. Therefore, these new units are included in this FESOP renewal pursuant to 326 AC 2-8-4(11)(D).

Insignificant Activities

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

(a) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4][326 IAC 6-5].

(b) Other emission units, not regulated by a NESHAP, with PM10, NOx, and SO_2 emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, VOC emissions less than three (3) pounds per hour or fifteen (15) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine hundredths (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:

(1) Two (2) storage domes for fertilizer and bulk products, with a total maximum capacity of 7,500 tons.

(2) One (1) warehouse for storage of bulk products, with a maximum capacity of 6,000 tons.

(3) One (1) warehouse for storage of bulk products, constructed in 2005, with a maximum capacity of 12,000 tons.

Existing Approvals

The source has been operating under the previous FESOP #019-11348-00001, issued on April 12, 2001, with an expiration date of April 12, 2006, and the following amendment:

First Administrative Amendment #019-20312-00001, issued on December 17, 2004.

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

(a) Condition D.1.1 in FESOP #019-11348-00001, issued on April 12, 2001:

PM10 emission shall be limited to the emission rates listed in the table below:

Operation	PM-10 emissions (lbs/hour)
Truck Rail receiving and bin 1-13 loading	3.25
Truck Rail receiving and Barge loading	3.55
Truck Rail receiving and bin 14 loading	3.42
Bin 1-13 unloading to rail	3.25
Bin 14 unloading to barge	3.42
Grain Drying	2.38
Bulk handling system	3.55
Total	22.83

Changes to this condition:

Since the source of the PM10 limitations in Condition D.1.1 was not documented in the technical support document for FESOP #019-11348-00001, issued on April 12, 2001, the FESOP limits for PM10 emission have been revised in this FESOP Renewal according to the emission calculations for this source (see the discussion of State Rule Applicability for the revised PM10 limits).

(b) Condition D.1.4 in FESOP #019-11348-00001, issued on April 12, 2001:

Pursuant to 326 IAC 6-3-2, particulate emissions from the grain and bulk receiving, storage and loading system for truck, rail car and barge shall be limited by the following equation:

$E = 55.0\ P^{0.11} - 40$ (for process weights greater than 60,000 lbs/hr)

where E = maximum allowable PM emission rate (lbs/hr)
P = process weight (tons/hr)

Changes to this condition:

Since this source is located in Clark County and the actual PM emissions are greater than 10 tons per year, the particulate emissions from this source are subject to 326 IAC 6.5-1 (formerly 326 IAC 6-1 (Nonattainment Area Particulate Limitations)). Pursuant to 326 IAC 6-3-1(c)(3), particulate emissions from this source are exempt from the requirements of 326 IAC 6-3-2. Therefore, the requirements of 326 IAC 6-3-2 have not been included in this FESOP renewal.

Enforcement Issue

There are no enforcement action pending.

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 July 18, 2005. Additional information was received on September 10, 2005, September 14, 2005, September 20, 2005, and September 28, 2005.

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	Potential to Emit (tons/yr)
PM	Greater than 250
PM10	Greater than 250
SO_2	0.05
VOC	0.48
CO	7.36
NO_x	8.76

HAPs	Potential to Emit (tons/yr)
Total	Negligible

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM10 is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7. The source will be issued a FESOP because the source has elected to limit its emissions of PM10 below the Title V levels.

(b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7.

(c) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD applicability.

Potential To Emit of the New Emission Units

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA."

This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit (tons/year)
PM	Greater than 100
PM10	Greater than 100
SO_2	--
VOC	--
CO	--
NO_x	--

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

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.

	Potential to Emit After Issuance (tons/year)						
Process/Facility	PM	PM_{10}	SO_2	VOC	CO	NO_X	HAPs
Grain Receiving and Handling Operations	Less than 13.3	Less than 4.93	--	--	--	--	--
Grain Loadout Operations	Less than 19.4	Less than 4.74	--	--	--	--	--
Grain Storage Silos and Gluten Truck Loadout	89.9	22.6	--	--	--	--	--
Grain Dryer	Less than 12.8	Less than 3.19	--	--	--	--	--
NG Combustion from the Grain Dryer	0.67	0.67	0.05	0.48	7.36	8.76	Negligible
Bulk Material Receiving, Handling, and Loadout Operations	59.7	22.4	--	--	--	--	--
Insignificant Activities	Less than 5.0	Less than 5.0	--	--	--	--	--
Total Emissions	Less than 201	Less than 63.5	0.05	0.48	7.36	8.76	Negligible
Part 70 Program Thresholds	NA	100	100	100	100	100	10 for a single HAP and 25 for total HAPs

Note: "-" pollutant not emitted by the process/emission unit.

County Attainment Status

The source is located in Clark County.

Pollutant	Status
PM10	Attainment
PM2.5	Nonattainment
SO_2	Attainment
NO_2	Attainment
1-hour Ozone	Attainment
8-hour Ozone	Nonattainment
CO	Attainment
Lead	Attainment

(a) Clark County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements.

(b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Clark County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

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

Source Status

Existing Source PSD and Emission Offset Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/yr)
PM	Less than 201
PM10	Less than 63.5
SO_2	0.05
VOC	0.48
CO	7.36
NO_x	8.76
Combination HAPs	Negligible

(a) This existing source is not a PSD major stationary source because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories.

(b) This existing source is not an Emission Offset major stationary source because no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or greater.

(c) These emissions are based on the potential to emit of this source after issuance of this FESOP (see the emission calculations in Appendix A).

Federal Rule Applicability

(a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) included in this permit.

(b) This source does not have a permanent storage capacity greater than 1.0 million bushels of grain. Therefore, the requirements of the New Source Performance Standards for Grain Elevators (326 IAC 12, 40 CFR 60.300-304, Subpart DD) are not included in this permit.

(c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 20, and 40 CFR Parts 61 and Part 63) included in this permit.

State Rule Applicability – Entire Source

326 IAC 2-3 (Emission Offset)

This source is located in Clark County, which was designated as a nonattainment area for 8-hour Ozone standard. The potential to emit VOC and NOx of this source is less than 100 tons/yr. Therefore, this existing source is an Emission Offset minor source.

326 IAC 2-1.1-5 (Nonattainment NSR)

This source is located in Clark County, which has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions. The potential to emit PM10 is limited to less than 100 tons/yr (see discussion of FESOP limits below). Therefore, this existing source is a Nonattainment NSR minor source.

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

The source was constructed in 1984 and modified in 2005. The source is not in one (1) of the twenty-eight (28) listed source categories and the potential to emit PM and PM10 from the entire source before controls is greater than 250 tons/yr. However, the source has been using a baghouse (BH1) to control PM/PM10 emissions from the grain receiving and handling operations. The actual PM/PM10 emissions from this source have never exceeded 250 tons/yr since it was constructed. Since each modification after 1980 did not have a potential to emit PM/PM10 greater than 250 tons/yr, these modifications did not trigger PSD review. Therefore, this existing source is currently a PSD minor source.

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the Permittee shall comply with the following:

(a) The total PM emissions from the grain receiving and handling operations, which are controlled by baghouse BH1, shall not exceed 3.04 pounds per hour. This is equivalent to 13.3 tons per year of PM emissions.

(b) The throughput rate of the following operations shall not exceed the throughput limit listed in the table below per twelve (12) consecutive month period with compliance determined at the end of each month:

Process Description	Annual Throughput Limit (tons/yr)
Grain Dryer	116,000
Barge Loadout	1,160,000
Truck Loadout	145,000
Rail Loadout	290,000

Using the emission factors in AP-42, this is equivalent to 32.3 tons per year of PM emissions (see the emission calculations in Appendix A).

Combined with the PM emissions from other PM emission units 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 also 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)

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), the Permittee shall comply with the following FESOP limits:

(a) The total PM10 emissions from the grain receiving and handling operations, which are controlled by baghouse BH1, shall not exceed 1.12 pounds per hour. This is equivalent to 4.93 tons per year of PM10 emissions.

(b) The throughput rate of the following operations shall not exceed the throughput limit listed in the table below per twelve (12) consecutive month period with compliance determined at the end of each month:

Process Description	Annual Throughput Limit (tons/yr)
Grain Dryer	116,000
Barge Loadout	1,160,000
Truck Loadout	145,000
Rail Loadout	290,000

Using the emission factors in AP-42, this is equivalent to 7.93 tons per year of PM10 emissions (see the emission calculations in Appendix A).

Combined with the PM10 emissions from other PM10 emission units 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 Clark County and is not required to operate under a Part 70 permit. Therefore, the requirements of 326 IAC 2-6 are not applicable to this source.

326 IAC 5-1 (Opacity Limitations)

This source is located in Jeffersonville Township in Clark County and is therefore subject to the following 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 for sources shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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 had not received all necessary pre-construction approvals prior to December 15, 1985, the applicability date of this rule. Pursuant to 326 IAC 6-5-1(b) and F019-21478-00001, issued on April 12, 2001, this source is subject to the requirements of 326 IAC 6-5 for fugitive particulate matter emissions. Fugitive particulate matter emissions shall be controlled according to the plan submitted on September 28, 2005. Pursuant to 326 IAC 6-5-4, the source shall control fugitive particulate matter emissions as follows:

( ) Paved roads, unpaved roads, and parking lots:
Fugitive particulate matter emissions resulting from paved roads, unpaved roads, and parking lots shall be controlled using one or more of the following measures:

(1) Paved roads and parking lots:

(A) Cleaning by vacuum sweeping.

(B) Flushing.

(C) An equivalent alternate measure.

(1) Unpaved roads and parking lots:

(A) Paving with a material such as asphalt or concrete.

(B) Treating with a suitable and effective oil or chemical dust suppressant approved by the commissioner. The frequency of application shall be on an as needed basis.

(C) Spraying with water, the frequency of application shall be on an as needed basis.

(D) Double chip and seal the road surface and maintain on an as needed basis.

(E) An equivalent alternate measure.

(b) Open aggregate piles:

(1) Measures to control fugitive particulate matter emissions shall be required for open aggregate piles consisting of material such as, but not limited to, sand, gravel, stone, grain, and coal and which material is finer than two hundred (200) mesh size equal to or greater than one percent (1%) by weight. Open aggregate material mesh size shall be determined by the “American Association of State Highway and Transportation Officials Test Method T27-74,” or other equivalent procedures acceptable to the commissioner.

(2) Fugitive particulate matter emissions resulting from open aggregate piles consisting of such material as, but not limited to, sand, gravel, stone, grain, and coal shall be controlled using one or more of the following measures:

(A) Cleaning the area around the perimeter of the aggregate piles.

(B) Application of a suitable and effective oil or other dust suppressant on an as needed basis.

(C) An equivalent alternate measure.

(c) Fugitive particulate matter emissions resulting from outdoor conveying of aggregate material such as, but not limited to, sand, gravel, stone, grain, and coal, by equipment such as belt conveyors and bucket elevators shall be controlled using one or more of the following measures:

(1) Enclosing the conveyor belt totally on the top and sides as needed to minimize visible emissions. Also, if needed, exhausting emissions to particulate control equipment during operation of conveyor.

(2) Applying water or suitable and effective chemical dust suppressant at the feed and/or intermediate points as needed to minimize visible emissions.

(3) An equivalent alternate measure.

(d) Fugitive particulate matter emissions resulting from the transferring of aggregate material shall be controlled using one or more of the following measures:

(1) Minimizing the vehicular distance between the transfer points.

(2) Enclosing the transfer points and if needed exhausting emissions to particulate control equipment during the operation of the transferring system.

(3) Application of water or suitable and effective chemical dust suppressant as needed to minimize visible emissions.

(4) An equivalent alternate measure.

(e) Fugitive particulate matter emissions resulting from transportation of aggregate material by truck, front end loaders, or similar vehicles shall be controlled using one or more of the following measures:

(1) Use of completely enclosed vehicles.

(2) Tarping the vehicle.

(3) Maintaining the vehicle body in such a condition that prevents any leaks of aggregate material.

(4) Spraying the materials in the vehicle with a suitable and effective dust suppressant.

(5) An alternate measure.

(f) Fugitive particulate matter emissions resulting from the loading and unloading operations of the material from storage facilities such as bins, hoppers, and silos, onto or out of vehicles, shall be controlled using one or more of the following measures:

(1) Enclosure of the material loading/unloading area.

(2) Total or partial enclosure of the facility and exhausting of emissions to particulate collection equipment. Such equipment shall be approved by the board.

(3) Spraying with water or suitable and effective chemical dust suppressant as needed to minimize visible emissions.

(4) Reduction of free fall distance.

(5) An equivalent alternate measure.

326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County)

This source is located in Clark County and is not specifically listed in Sections 326 IAC 6.5-2 through 326 IAC 6.5-10. The actual PM emissions from this source are greater than 10 tons per year. Therefore, this source is subject to 326 IAC 6.5-1-2. Since this source was constructed after January 13, 1977, the requirements of 326 IAC 6.5-1-2(d)(1) for grain elevators are not applicable.

Pursuant to 326 IAC 6.5-1-2(a), particulate matter (PM) from each of the grain receiving, handling, drying, storage, and loadout operations shall not exceed 0.03 grain per dry standard cubic foot (gr/dscf) of exhaust air. Pursuant to 326 IAC 6.5-1-2(d)(2) and F019-21478-00001, issued on April 12, 2001, all grain elevators shall provide for housekeeping and maintenance procedures that minimize the opportunity for particulate matter to become airborne and leave the property, such as the following:

(a) Housekeeping practices shall be conducted as follows:

(1) Areas to be swept and maintained shall include, at a minimum, the following:

(A) General grounds, yard, and other open areas.

(B) Floors, decks, hopper areas, loading areas, dust collectors, and all areas of dust or waste concentrations.

(C) Grain driers with respect to accumulated particulate matter.

(2) Cleanings and other collected waste material shall be handled and disposed of so that the area does not generate fugitive dust.

(3) Dust from driveways, access roads, and other areas of travel shall be controlled.

(4) Accidental spills and other accumulations shall be cleaned up as soon as possible but no later than completion of the day's operation.

(b) Equipment maintenance shall consist of procedures that eliminate or minimize emissions from equipment or a system caused by the following:

(1) Malfunctions.

(2) Breakdowns.

(3) Improper adjustment.

(4) Operating above the rated or designed capacity.

(5) Not following designed operating specifications.

(6) Lack of good preventive maintenance care.

(7) Lack of critical and proper spare replacement parts on hand.

(8) Lack of properly trained and experienced personnel.

(c) Emissions from the affected areas, operations, equipment, and systems shall not exceed twenty percent (20%) opacity as determined under 326 IAC 5-1.

State Rule Applicability - Grain Receiving, Handling, Drying, Storage, and Loadout Operations

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Since PM emissions from the grain receiving, handling, drying, storage, and loadout operations are subject to the requirements of 326 IAC 6.5-1 (formerly 326 IAC 6-1 (Nonattainment Area Particulate Limitations)), and 326 IAC 6-1 remains in effect under 40 CFR 52, Subpart P, these emission units are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

State Rule Applicability - Bulk Receiving, Handling, and Loadout Operations

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Since PM emissions from the bulk receiving, handling, and loadout operations at this source are subject to the requirements of 326 IAC 6.5 (formerly 326 IAC 6-1 (Nonattainment Area Particulate Limitations)), and 326 IAC 6-1 remains in effect under 40 CFR 52, Subpart P, these emission units are exempt from the requirements of 326 IAC 6-3-2, pursuant to 326 IAC 6-3-1(c)(3).

Testing Requirements

In order to comply with 326 IAC 2-8 (FESOP) and 326 IAC 2-2 (PSD), the Permittee is required to keep records of the grain drying and loadout operations, and to control the emissions from the grain receiving and handling operations with baghouse BH1. Since the potential to emit PM/PM10 from the grain receiving and handling operations is not considered a significant portion of the total potential to emit from the entire source and the Permittee is required to perform daily visible emission notations and pressure drop monitoring for baghouse BH1, no stack tests are required for this source.

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 approporiate corrective actions within a specific time period.

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

1. The baghouse BH1, which is used to control the grain receiving and handling operations, has applicable compliance monitoring conditions as specified below:

   (a) Visible emission notations of the baghouse stack exhaust shall be performed once per day 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. If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

   (b) The Permittee shall record the pressure drop across the baghouse at least once per day when any of the grain receiving, handling, and loadout operations is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across the baghouses shall be maintained within the range of 1.5 to 3.0 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. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

   (c) In the event that bag failure has been observed:

      (1) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

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

   These monitoring conditions are necessary because the baghouse equipped with the grain receiving and handling operations must operate properly to ensure compliance with 326 IAC 2-2 (PSD), 326 IAC 2-8 (FESOP), 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), and 326 IAC 2-1.1-5 (Nonattainment NSR).

Conclusion

The operation of this grain elevator and bulk handling plant shall be subject to the conditions of FESOP 019-21478-00001.

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

Company Name: Consolidated Grain and Barge Co.
Address: 5130 Port Road, Jeffersonville, IN 47130
FESOP Renewal #: 019-21478-00001
Reviewer: ERG/YC
Date: Janunary 23, 2006

1. PTE of PM/PM10 Before Control:

Unit Description	Max. Throughput Rate (tons/hr)	Number of Units	Uncontrolled PM Emission Factor (lbs/ton)	PTE of PM before Control (lbs/hr/unit)	PTE of PM before Control (tons/yr)	Uncontrolled PM10 Emission Factor (lbs/ton)	PTE of PM10 before Control (lbs/hr/unit)	PTE of PM10 before Control (tons/yr)
Grain Receiving - Truck	560	2	0.180	101	883	0.0590	33.0	289
Grain Receiving - Railcar	840	1	0.032	26.9	118	0.0078	6.55	28.7
Grain Receiving - Railcar	224	1	0.032	7.17	31.4	0.0078	1.75	7.65
Grain Handling*	1,120	1	0.061	68.3	299	0.0340	38.1	167
Total					**1,331**			**493**

Note: Emission factors are from AP-42, Chapter 9.9.1 - Grain Elevators, Table 9.9.1-1 (03/03).
*All the grain handling equipment, including conveyors, elevators, legs, spots, is covered and vented to baghouse BH1.

Methodology

PTE of PM/PM10 before Control (lbs/hr/unit) = Max. Throughput Rate (tons/hr) x Uncontrolled Emission Factor (lbs/ton)
PTE of PM/PM10 before Control (tons/yr) = Max. Throughput Rate (tons/hr) x Uncontrolled Emission Factor (lbs/ton) x 8760 hr/yr x 1 ton/2000 lbs x Number of Units

2. Potential to Emit PM/PM10 after Control:

The grain receiving and handling operations are controlled by baghouse BH1.

Unit Description	Max. Throughput Rate (tons/hr)	Number of Units	Uncontrolled PM Emission Factor (lbs/ton)	PTE of PM before Control (lbs/hr)	Uncontrolled PM10 Emission Factor (lbs/ton)	PTE of PM10 before Control (lbs/hr/unit)
Grain Receiving - Truck	560	2	0.180	202	0.0590	66.1
Grain Receiving - Railcar	840	1	0.032	26.9	0.0078	6.55
Grain Receiving - Railcar	224	1	0.032	7.17	0.0078	1.75
Grain Handling*	1120	1	0.061	68.3	0.0340	38.1
Total PTE before Control (lbs/hr)				**304**		**112**
Baghouse Control Efficiency				**99%**		**99%**
PTE of PM/PM10 after Contrl (lbs/hr)				**3.04**		**1.12**
PTE of PM/PM10 after Contrl (tons/yr)				**13.3**		**4.93**

Methodology

PTE of PM/PM10 before Control (lbs/hr) = Max. Throughput Rate (tons/hr) x Uncontrolled Emission Factor (lbs/ton) x Number of Units
PTE of PM/PM10 after Control (lbs/hr) = Total PTE before Control (lbs/hr) x (1-Control Efficiency)
PTE of PM/PM10 after Control (tons/yr) = PTE after Control (lbs/hr) x 8760 hr/yr x 1 ton/2000 lbs

Appendix A: Emission Calculations
PM and PM10 Emissions
From the Grain Loadout Operations

Company Name: Consolidated Grain and Barge Co.
Address: 5130 Port Road, Jeffersonville, IN 47130
FESOP Renewal #: 019-21478-00001
Reviewer: ERG/YC
Date: Janunary 23, 2006

1. Unlimited PM/PM10:

Unit Description	Max. Throughput Rate (tons/hr)	Number of Units	Uncontrolled PM Emission Factor (lbs/ton)	Unlimited PTE of PM (lbs/hr/unit)	Unlimited PTE of PM (tons/yr)	Uncontrolled PM10 Emission Factor (lbs/ton)	Unlimited PTE of PM10 (lbs/hr/unit)	Unlimited PTE of PM10 (tons/yr)
Barge Loadout	700	1	0.016	11.2	49.1	0.0040	2.80	12.3
Truck Loadout*	384	2	0.086	33.0	289	0.0290	11.1	97.6
Rail Loadout	560	1	0.027	15.1	66.2	0.0022	1.23	5.40
Total					**405**			**115**

Note: Emission factors are from AP-42, Chapter 9.9.1 - Grain Elevators, Table 9.9.1-1 (03/03).
* Only 2 of the truck loadout spouts can operate at the same time.

Methodology

Unlimited PTE of PM/PM10 (lbs/hr/unit) = Max. Throughput Rate (tons/hr) x Uncontrolled Emission Factor (lbs/ton)
Unlimited PTE of PM/PM10 (tons/yr) = Max. Throughput Rate (tons/hr) x Uncontrolled Emission Factor (lbs/ton) x 8760 hr/yr x 1 ton/2000 lbs x Number of Units

2. Limited PTE of PM/PM10:

Unit Description	Annual Throughput Limit (tons/yr)	Uncontrolled PM Emission Factor (lbs/ton)	Uncontrolled PM10 Emission Factor (lbs/ton)	Limited PTE of PM (tons/yr)	Limited PTE of PM10 (tons/yr)
Barge Loadout	1,160,000	0.016	0.0040	9.28	2.32
Truck Loadout	145,000	0.086	0.0290	6.24	2.10
Rail Loadout	290,000	0.027	0.0022	3.92	0.32
Total				**19.4**	**4.74**

Methodology

Limited PTE of PM/PM10 (tons/yr) = Annual Throughput Limit (tons/yr) x Uncontrolled Emission Factor (lbs/ton) x 1 ton/2000 lbs

Appendix A: Emission Calculations
PM and PM10 Emissions
From the Grain Storage and Gluten Truck Loadout Operation

Company Name: Consolidated Grain and Barge Co.
Address: 5130 Port Road, Jeffersonville, IN 47130
FESOP Renewal #: 019-21478-00001
Reviewer: ERG/YC
Date: Janunary 23, 2006

Unit Description	Max. Throughput Rate (tons/hr)	Number of Units	Uncontrolled PM Emission Factor (lbs/ton)	PTE of PM (lbs/hr/unit)	PTE of PM (tons/yr)	Uncontrolled PM10 Emission Factor (lbs/ton)	PTE of PM10 (lbs/hr/unit)	PTE of PM10 (tons/yr)
Storage Bins #1 - #14*	560	1	0.025	14.0	61.3	0.0063	3.53	15.5
Storage Bins #1a - #4a*	210	1	0.025	5.25	23.0	0.0063	1.32	5.79
Gluten Truck Loadout	384	1	0.0033	1.27	5.55	0.0008	0.31	1.35
Total					**89.9**			**22.6**

Note: Emission factors are from AP-42, Chapter 9.9.1 - Grain Elevators, Table 9.9.1-1 (03/03). Emission factors for gluten truck loadout are the ones for feed shipping (SCC 3-02-008-03).
* Only one storage bin can be filled at one time. Therefore, only the PTE of one storage bin is calculated here.

Methodology

PTE of before Control (lbs/hr/unit) = 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 x Number of Units

Appendix A: Emission Calculations
PM and PM10 Emissions
From the Grain Dryer

Company Name: Consolidated Grain and Barge Co.
Address: 5130 Port Road, Jeffersonville, IN 47130
FESOP Renewal #: 019-21478-00001
Reviewer: ERG/YC
Date: Janunary 23, 2006

1. Unlimited PTE

Unit Description	Max. Throughput Rate (tons/hr)	Uncontrolled PM Emission Factor (lbs/ton)	PTE of PM (lbs/hr)	PTE of PM (tons/yr)	Uncontrolled PM10 Emission Factor (lbs/ton)	PTE of PM10 (lbs/hr)	PTE of PM10 (tons/yr)
Grain Dryer	80	0.220	17.6	77.1	0.0550	4.40	19.3
Total				**77.1**			**19.3**

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

Methodology

PTE of before Control (lbs/hr/unit) = 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 x Number of Units

2. Limited PTE

Unit Description	Annual Throughput Limit (tons/yr)	Uncontrolled PM Emission Factor (lbs/ton)	Uncontrolled PM10 Emission Factor (lbs/ton)	Limited PTE of PM (tons/yr)	Limited PTE of PM10 (tons/yr)
Grain Dryer	116,000	0.220	0.0550	12.8	3.19
Total				**12.8**	**3.19**

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

Methodology

Limited PTE of PM/PM10 (tons/yr) = Annual 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 the Grain Dryer

Company Name: Consolidated Grain and Barge Co.
Address: 5130 Port Road, Jeffersonville, IN 47130
FESOP Renewal #: 019-21478-00001
Reviewer: ERG/YC
Date: Janunary 23, 2006

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
20.0	175.2

	Pollutant					
	PM	PM10	SO_2	*NO_x	VOC	CO
Emission Factor in lb/MMCF	7.6	7.6	0.6	100	5.5	84.0
Potential to Emit in tons/yr	**0.67**	**0.67**	**0.05**	**8.76**	**0.48**	**7.36**

*Emission factors for NO_x: Uncontrolled = 100 lb/MMCF.
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
PM and PM10 Emissions
From the Bulk Receiving and Handling Processes

Company Name: Consolidated Grain and Barge Co.
Address: 5130 Port Road, Jeffersonville, IN 47130
FESOP Renewal #: 019-21478-00001
Reviewer: ERG/YC
Date: Janunary 23, 2006

Unit Description	Max. Throughput Rate (tons/hr)	Number of Units	Uncontrolled PM Emission Factor (lbs/ton)	PTE of PM before Control (lbs/hr/unit)	PTE of PM before Control (tons/yr)	Uncontrolled PM10 Emission Factor (lbs/ton)	PTE of PM10 before Control (lbs/hr/unit)	PTE of PM10 before Control (tons/yr)
Rail Unloading Pit*	300	1	0.0001	0.03	0.13	0.0001	0.03	0.13
Conveyor F-1*	900	1	0.0030	2.70	11.8	0.0011	0.99	4.34
Conveyor F-2 through F-5, and F-8*	400	5	0.0030	1.20	26.3	0.0011	0.44	9.64
Conveyors F-6, F-9, F-10, and F-11*	300	4	0.0030	0.90	15.8	0.0011	0.33	5.78
Conveyor F-7*	200	1	0.0030	0.60	2.63	0.0011	0.22	0.96
Hoppers**	40	2	0.0088	0.35	3.08	0.0043	0.17	1.51
Total					**59.7**			**22.4**

* Emission factors for conveyors are from AP-42, Chapter 11.19.2, Table 11.19.2-2 - Crushed Stone Processing Operations (AP-42, 08/04).
** Emission factors for hoppers are the ones for low silt batch drop for iron and steel mill in AP-42, Table 12.5.4 (01/95).

Methodology

PTE of (lbs/hr/unit) = Max. Throughput Rate (tons/hr) x Uncontrolled Emission Factor (lbs/ton)
PTE (tons/yr) = Max. Throughput Rate (tons/hr) x Uncontrolled Emission Factor (lbs/ton) x 8760 hr/yr x 1 ton/2000 lbs x Number of Units