



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: January 31, 2007
RE: Peerless Pottery, Inc. / 147-15536-00010
FROM: Nisha Sizemore
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 03/23/06



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

**Peerless Pottery, Inc.
North Lincoln Avenue
Rockport, Indiana 47635**

(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.

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.

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

Operation Permit No.: F147-15536-00010	
Issued by:Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date:January 31, 2007 Expiration Date:January 31, 2012

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary vitreous china plumbing fixtures manufacturing plant.

Authorized individual:	Plant Manager
Source Address:	North Lincoln Avenue, Rockport, Indiana 47635
Mailing Address:	North Lincoln Avenue, P.O. Box 145, Rockport Indiana 47635
General Source Phone:	(812) 694-6400
SIC Code:	3261
Source Location Status:	Spencer
Source Status:	Attainment for all criteria pollutants Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act

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

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

The plant consists of the following equipment with a plant-wide maximum capacity of processing 72,270 tons of dry clay per year. The Permittee has taken a production limit of processing less than 36,135 ton of dry clay per twelve (12) consecutive month period:

- (a) two (2) 3.92 million British thermal units per hour natural gas fired firing kilns, identified as K-1 and K-2, each with a maximum capacity of processing 0.76 tons of ceramic per hour, and each exhausting through two (2) stacks (ID Nos. B10CS1 and B10CS2 for K-1, ID Nos. B10BS7 and B10BS9 for K-2);
- (b) one (1) 28 million British thermal units per hour natural gas fired firing kiln, identified as RK-1, with a maximum capacity of processing 0.77 tons of ceramic per hour or refiring 0.578 tons of ceramic per hour, and exhausting through two (2) stacks (ID Nos. B10CS3 and B10CS4);
- (c) one (1) 20 million British thermal units per hour natural gas fired firing kiln, identified as K-4, with a maximum capacity of processing 2.59 tons of ceramic per hour, and exhausting through two (2) stacks (ID Nos. B10aS1 and B10aS2);
- (d) one (1) bowl casting and scraping operation, identified as B3P3B, with a maximum capacity of processing 288 bowls per hour, located in Building B3;
- (e) one (1) urinal casting and scraping operation, identified as B4P3U, with a maximum capacity of processing 8 urinals per hour, located in Building B4;
- (f) one (1) tank casting and scraping operation, identified as B4P3T, with a maximum capacity of processing 165 tanks per hour, located in Building B4;
- (g) one (1) lavatory casting and scraping operation, identified as B4P3L, with a maximum capacity of processing 66.2 lavatories per hour, located in Building B4;
- (h) one (1) bowl casting and scraping operation, identified as B4P3B, with a maximum capacity of processing 56 bowls per hour, located in Building B4;
- (i) one (1) manual glaze spray booth, identified as B7P5M1, with a maximum capacity of spraying 450 pounds of glaze per hour, using a baghouse, identified as B7C2, for overspray control, exhausting at one (1) stack (ID No. B7);

- (j) one (1) manual glaze spray booth, identified as B7P5M2, with a maximum capacity of spraying 450 pounds of glaze per hour, using a baghouse, identified as B7C3, for overspray control, and exhausting at one (1) stack (ID No. B7);
- (k) one (1) double automated glaze spray booth, identified as B7P5A1, with a maximum capacity of spraying 2550 pounds of glaze per hour, using a baghouse, identified as B7C5, for overspray control, and exhausting at one (1) stack (ID No. B7S22);
- (l) one (1) automated glaze spray booth, identified as B7P5A2, with a maximum capacity of spraying 1275 pounds of glaze per hour, using a waterwash for overspray control, and exhausting at one (1) stack (ID No. B7S1);
- (m) one (1) automated glaze spray booth, identified as B7P5A3, with a maximum capacity of spraying 1275 pounds of glaze per hour, using a waterwash for overspray control, and exhausting at one (1) stack (ID No. B7S2); and
- (n) one (1) double automated glaze spray booth, identified as B7P5A4, with a maximum capacity of spraying 2550 pounds of glaze per hour, using a baghouse, identified as B7C5, for overspray control, and exhausting at one (1) stack (ID No. B7S22).

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

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

- (a) natural gas fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour:
 - (1) one (1) natural gas fired dryer, with a rated capacity of 2.5 million British thermal units per hour; and
 - (2) four (4) natural gas fired space heaters, each rated at 0.375 MMBtu per hour.
- (b) application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
- (c) degreasing operations that do not exceed 145 gallons per 12 months;
- (d) closed loop heating and cooling systems;
- (e) activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1 percent by volume;
- (f) water based adhesives that are less than or equal to 5 percent by volume of VOCs excluding HAPs;
- (g) replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;
- (h) paved and unpaved roads and parking lots with public access;
- (i) grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors, and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations;
- (j) mold release agents using low volatile products (vapor pressure less than or equal to 2 kilopascals measured at 38 degree C);
- (k) farm operations;
- (l) Other activities or categories with particulate matter emissions less than or equal to five (5) pounds per hour or twenty-five (25) pounds per day:
 - (1) one (1) inspection and bowl trap glazing booth, identified as B7P4M1, with overspray controlled by Baghouses B7C1 and B7C5;
 - (2) one (1) inspection booth, identified as B10AP4M1, with overspray controlled by Baghouse B10AC1;
 - (3) one (1) inspection and reconditioning booth, identified as B10DP4M1, with overspray controlled by Baghouse B10DC1;
 - (4) mold making activities;
 - (5) one (1) silo containment system, with dust controlled by a passive baghouse, identified as B5C1;
 - (6) one (1) reclaim crusher, with dust controlled by Baghouse B5C3;
 - (7) one (1) blunger, with dust controlled by a passive baghouse, identified as B5C2;
 - (8) glaze mix-up operation, with dust controlled by a filter system;

- (9) one (1) fired ware inspection and patch booth, identified as B10DP4M2, with overspray controlled by baghouse B10DC1;
- (10) one (1) inspection and patch booth, identified as B10DP4M3, with overspray controlled by baghouse B10DC1;
- (11) one (1) bowl base grinder, exhausting through baghouse B10DC1;
- (12) one (1) lavatory base grinder, exhausting through baghouse B10DC1;
- (13) one (1) fired ware crusher; and
- (14) one (1) manual operated glaze booth, identified as B7P5M3, with a maximum capacity of spraying 35 pounds of glaze per hour, using a baghouse, identified as B7C6, for overspray control, and exhausting at one (1) stack, (ID No. B7).

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).

SECTION B GENERAL CONDITIONS

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

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

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

- (a) This permit, F147-15536-00010, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

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

B.8 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.9 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.10 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 no later than July 1 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, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and Southwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

Southwest Regional Office phone: (812) 380-2305; fax: (812) 380-2304.

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
- (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
 - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
 - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and

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

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

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

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

- (a) All terms and conditions of permits established prior to F147-15536-00010 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised, or
 - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

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

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

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

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

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

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

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

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

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

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

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][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.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

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

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

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

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

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

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

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

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

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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)) not applicable;
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

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

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

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

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

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

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

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

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

All required notifications shall be submitted to:

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

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

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

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

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) 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) two (2) 3.92 million British thermal units per hour natural gas fired firing kilns, identified as K-1 and K-2, each with a maximum capacity of processing 0.76 tons of ceramic per hour, and each exhausting through two (2) stacks (ID Nos. B10CS1 and B10CS2 for K-1, ID Nos. B10BS7 and B10BS9 for K-2);
- (b) one (1) 28 million British thermal units per hour natural gas fired firing kiln, identified as RK-1, with a maximum capacity of processing 0.77 tons of ceramic per hour or refiring 0.578 tons of ceramic per hour, and exhausting through two (2) stacks (ID Nos. B10CS3 and B10CS4);
- (c) one (1) 20 million British thermal units per hour natural gas fired firing kiln, identified as K-4, with a maximum capacity of processing 2.59 tons of ceramic per hour, and exhausting through two (2) stacks (ID Nos. B10aS1 and B10aS2);
- (d) one (1) bowl casting and scraping operation, identified as B3P3B, with a maximum capacity of processing 288 bowls per hour, located in Building B3;
- (e) one (1) urinal casting and scraping operation, identified as B4P3U, with a maximum capacity of processing 8 urinals per hour, located in Building B4;
- (f) one (1) tank casting and scraping operation, identified as B4P3T, with a maximum capacity of processing 165 tanks per hour, located in Building B4;
- (g) one (1) lavatory casting and scraping operation, identified as B4P3L, with a maximum capacity of processing 66.2 lavatories per hour, located in Building B4;
- (h) one (1) bowl casting and scraping operation, identified as B4P3B, with a maximum capacity of processing 56 bowls per hour, located in Building B4;
- (i) one (1) manual glaze spray booth, identified as B7P5M1, with a maximum capacity of spraying 450 pounds of glaze per hour, using a baghouse, identified as B7C2, for overspray control, exhausting at one (1) stack (ID No. B7);
- (j) one (1) manual glaze spray booth, identified as B7P5M2, with a maximum capacity of spraying 450 pounds of glaze per hour, using a baghouse, identified as B7C3, for overspray control, and exhausting at one (1) stack (ID No. B7);
- (k) one (1) double automated glaze spray booth, identified as B7P5A1, with a maximum capacity of spraying 2550 pounds of glaze per hour, using a baghouse, identified as B7C5, for overspray control, and exhausting at one (1) stack (ID No. B7S22);
- (l) one (1) automated glaze spray booth, identified as B7P5A2, with a maximum capacity of spraying 1275 pounds of glaze per hour, using a waterwash for overspray control, and exhausting at one (1) stack (ID No. B7S1);
- (m) one (1) automated glaze spray booth, identified as B7P5A3, with a maximum capacity of spraying 1275 pounds of glaze per hour, using a waterwash for overspray control, and exhausting at one (1) stack (ID No. B7S2); and
- (n) one (1) double automated glaze spray booth, identified as B7P5A4, with a maximum capacity of spraying 2550 pounds of glaze per hour, using a baghouse, identified as B7C5, for overspray control, and exhausting at one (1) stack (ID No. B7S22).

(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 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the facilities listed under Section D.1 shall not exceed the emission rates listed below when the facilities are operated at the listed corresponding maximum process rate:

Source ID	Source Description	Process Weight Rate (ton/hr)	Allowable Emissions (lb/hr)
(a) K-1	Firing Natural Gas Fired Kiln	0.76	3.41
(a) K-2	Firing Natural Gas Fired Kiln	0.76	3.41
(b) RK-1	Firing/Refiring Natural Gas Fired Kiln	0.77	3.44
(c) K-4	Firing Natural Gas Fired Kiln	2.59	7.76
(d) B3P3B	Bowl Casting Scraping	4.67	11.51
(e) B4P3U	Urinal Casting Scraping	0.10	0.87
(f) B4P3T	Tank Casting Scraping	2.91	8.39
(g) B4P3L	Lavatory Casting Scraping	0.68	3.16
(h) B4P3B	Bowl Casting Scraping	0.91	3.84
(i) B7P5M1	Manual Glaze Booth	0.84	3.66
(j) B7P5M2	Manual Glaze Booth	0.84	3.66
(k) B7P5A1	Double Automated Glaze Booth	4.78	11.70
(n) B7P5A4	Double Automated Glaze Booth	4.78	11.70
(l) B7P5A2	Automated Glaze Booth	2.39	7.35
(m) B7P5A3	Automated Glaze Booth	2.39	7.35

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

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

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

D.1.2 Particulate Matter 10 Microns (PM10) and Particulate Matter (PM) [326 IAC 2-8-4][326 IAC 2-2]
 Pursuant to 326 IAC 2-8-4:

- (a) The raw material usage (dry clay) processed by this source shall be limited to less than 36,135 tons of dry clay per 12 consecutive month period, with compliance determined at the end of each month.
- (b) PM10 emissions shall not exceed 0.00274 pounds of PM10 per ton of dry clay. This limitation includes all equipment listed in Sections D.1 and D.2.
- (c) PM emissions shall not exceed 0.00274 pounds of PM per ton of dry clay. This limitation includes all equipment listed in Sections D.1 and D.2.

These limits are required to limit the source-wide potential to emit of PM10 to less than 100 tons and PM to less than 250 tons per twelve (12) consecutive month period. Therefore, this limit will also render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

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 this facility and its control device.

Compliance Determination Requirements

D.1.4 Particulate Matter (PM)

- (a) In order to comply with D.1.1, and D.1.2 the baghouses and water wash systems for PM and PM10 control shall be in operation and control emissions from the glaze spray booths at all times that the glaze spray booths 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 stack exhausts of all facilities listed under Section D.1 shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.6 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with the glaze spray booths B7P5M1, B7P5M2, B7P5A1, and B7P5A4, at least once daily when the glaze spray booths are in operation when venting to the atmosphere. When for any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 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 of this permit.

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

D.1.7 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.

D.1.8 Monitoring

- (a) Daily inspections shall be performed to verify that the water level in the spray booths (B7P5A2 and B7P5A3) meet the manufacturer's recommended level. To monitor the performance of the water flow, visual inspections of the water curtain shall be made weekly to identify any gaps or other disruptions in water flow. Water shall be kept free of solids and floating material that reduces the capture efficiency of the water sheet. To monitor the performance of the baffles, weekly inspections of the baffle panels shall be conducted to verify placement and configuration meet recommendations of the manufacturer. In addition, weekly observations shall be made of the overspray from the surface coating booths (B7P5A2 and B7P5A3) stacks while one or more of the booths are in operation. If a condition exists which should result in a response step, 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) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is 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.

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

D.1.9 Record Keeping Requirements

- (a) To document compliance with Condition D.1.2, the Permittee shall maintain monthly records of material (dry clay) usage for equipment listed in D.1 and D.2.
- (b) To document compliance with Condition D.1.5, the Permittee shall maintain records of the visible emission notations the stack exhausts of all facilities listed under Section D.1.
- (c) To document compliance with Condition D.1.6, the Permittee shall maintain daily records of the total static pressure drop during normal operation when venting to the atmosphere.
- (d) To document compliance with Condition D.1.8, the Permittee shall maintain weekly records of the observations of the water level, and the daily and weekly inspections.

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

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.2 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

FACILITY OPERATION CONDITIONS

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

Insignificant Activities

- (a) one (1) inspection and bowl trap glazing booth, identified as B7P4M1, with overspray controlled by Baghouses B7C1 and B7C5;
- (b) one (1) inspection booth, identified as B10AP4M1, with overspray controlled by Baghouse B10AC1;
- (c) one (1) inspection and reconditioning booth, identified as B10DP4M1, with overspray controlled by Baghouse B10DC1;
- (d) mold making activities;
- (e) one (1) silo containment system, with dust controlled by a passive baghouse, identified as B5C1;
- (f) one (1) reclaim crusher, with dust controlled by Baghouse B5C3;
- (g) one (1) blunger, with dust controlled by a passive baghouse, identified as B5C2;
- (h) glaze mix-up operation, with dust controlled by a filter system;
- (i) one (1) fired ware inspection and patch booth, identified as B10DP4M2, with overspray controlled by baghouse B10DC1;
- (j) one (1) inspection and patch booth, identified as B10DP4M3, with overspray controlled by baghouse B10DC1;
- (k) one (1) bowl base grinder, exhausting through baghouse B10DC1;
- (l) one (1) lavatory base grinder, exhausting through baghouse B10DC1;
- (m) one (1) fired ware crusher; and
- (n) one (1) parts washer
- (o) one (1) manual operated glaze booth, identified as B7P5M3, with a maximum capacity of spraying 35 pounds of glaze per hour, using a baghouse, identified as B7C6, for overspray control, and exhausting at one (1) stack, (ID No. B7).

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

Process Weight Activities

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

D.2.1 Particulate Matter 10 Microns (PM10) and Particulate Matter (PM) [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4:

- (a) The raw material usage (dry clay) processed by this source shall be limited to less than 36,135 tons of dry clay per 12 consecutive month period, with compliance determined at the end of each month.
- (b) PM10 emissions shall not exceed 0.00274 pounds of PM10 per ton of dry clay. This limitation includes all equipment listed in Sections D.1 and D.2.
- (c) PM emissions shall not exceed 0.00274 pounds of PM per ton of dry clay. This limitation includes all equipment listed in Sections D.1 and D.2.

These limits are required to limit the source-wide potential to emit of PM10 to less than 100 tons and PM to less than 250 tons per twelve (12) consecutive month period. Therefore, this limit will also render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.2.2 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from each of the facilities listed in (a) through (j) under Section D.2 shall not exceed the allowable PM emission rate of 1.00 pound per hour and the allowable particulate emission rate from the fired ware crusher with process weight rates of 1.17 tons per hour, shall be limited to 4.54 pounds per hour. This limitation is based on the following equation:

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

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

- (b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. Therefore, the allowable particulate emission rate from the bowl base grinder, the lavatory base grinders, and the manual operated glaze booth (B7P5M3), which each have a process weight rate less than 100 pounds per hour, shall be limited to 0.551 pounds per hour each.

D.2.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

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

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

Compliance Determination Requirement

D.2.4 Particulate Control

In order to comply with D.2.1 and D.2.2, the baghouses for particulate control shall be in operation and control emissions from the facilities listed under Section D.2 at all times that the facilities listed under Section D.2 are in operation.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) CERTIFICATION

Source Name: Peerless Pottery, Inc.
Source Address: North Lincoln Avenue, Rockport, Indiana 47635
Mailing Address: North Lincoln Avenue, P.O. Box 145, Rockport, Indiana 47635
FESOP No.: F147-15536-00010

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-0178
Fax: 317-233-6865**

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

Source Name: Peerless Pottery, Inc.
Source Address: North Lincoln Avenue, Rockport, Indiana 47635
Mailing Address: North Lincoln Avenue, P.O. Box 145, Rockport, Indiana 47635
FESOP No.: F147-15536-00010

This form consists of 2 pages

Page 1 of 2

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

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

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

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

Page 2 of 2

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

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

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: Peerless Pottery, Inc.
Source Address: North Lincoln Avenue, Rockport, Indiana 47635
Mailing Address: North Lincoln Avenue, P.O. Box 145, Rockport, Indiana 47635
FESOP No.: F147-15536-00010
Facility: Source wide material usage
Parameter: Raw material usage for equipment listed in Sections D.1 and D.2
Limit: 36,135 tons of raw material (dry clay) 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: Peerless Pottery, Inc.
Source Address: North Lincoln Avenue, Rockport, Indiana 47635
Mailing Address: North Lincoln Avenue, P.O. Box 145, Rockport, Indiana 47635
FESOP No.: F147-15536-00010

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. 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".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

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

Source Background and Description

Source Name:	Peerless Pottery, Inc.
Initial Source Location:	North Lincoln Avenue, Rockport, Indiana 47635
County:	Spencer
SIC Code:	3261
Operation Permit No.:	F147-15536-00010
Permit Reviewer:	Linda Quigley/EVP

On April 13, 2004, the Office of Air Quality (OAQ) had a notice published in The Journal Democrat, Rockport, Indiana, stating that Peerless Pottery had applied for a renewal to a Federally Enforceable State Operating Permit (FESOP) to operate a stationary vitreous china plumbing fixtures manufacturing plant. The notice also stated that OAQ proposed to issue a FESOP for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On May 7, 2004, Peerless Pottery, Inc. submitted a comment on the proposed FESOP. The summary of the comment and corresponding response is as follows (bolded language has been added and the language with a line through it has been deleted):

Comment 1

Comment #1, Page 7 of 7, TSD App. A

The calculations for "Limited/Controlled Emission" for the insignificant activities do not take into account the source-wide annual throughput limit of 50%. The Limited/Controlled emissions for all insignificant activities listed on this page, as noted by a double asterisk **, need to be re-calculated to reflect this limit.

Response 1

The OAQ prefers that the Technical Support Document reflect the permit that was on public notice. Changes to the permit or technical support material that occur after the public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision. The attached Addendum to page 7 of 7, TSD Appendix A incorporates the source-wide annual throughput limit of 50% for the insignificant activities. Pages 1 and 4 of 7, TSD Appendix A, have been revised as shown in the attached Addendum to Appendix A to reflect the limited throughput and page 3 of 7 was revised descriptively. The corrections to Appendix A do not change any conditions of the permit.

Upon further review, the OAQ has decided to make the following changes to the FESOP. Bolded language has been added and the language with a line through it has been deleted.

(1) Section A.3, Insignificant Activities, has been revised for clarity.

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

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

- (a) **natural gas fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour:**
 - (1) one (1) natural gas fired dryer, with a rated capacity of 2.5 million British thermal units per hour; and**
 - (2) four (4) natural gas fired space heaters, each rated at 0.375 MMBtu per hour.**
- (b) application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
- (c) degreasing operations that do not exceed 145 gallons per 12 months;
- (d) closed loop heating and cooling systems;
- (e) activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1 percent by volume;
- (f) water based adhesives that are less than or equal to 5 percent by volume of VOCs excluding HAPs;
- (g) replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;
- (h) paved and unpaved roads and parking lots with public access;
- (i) grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors, and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations;
- (j) mold release agents using low volatile products (vapor pressure less than or equal to 2 kilopascals measured at 38 degree C);
- (k) farm operations;
- ~~(l) one (1) inspection and bowl trap glazing booth, identified as B7P4M1, with overspray controlled by Baghouses B7C1 and B7C5;~~
- ~~(m) one (1) inspection booth, identified as B10AP4M1, with overspray controlled by Baghouse B10AC1;~~
- ~~(n) one (1) inspection and reconditioning booth, identified as B10DP4M1, with overspray controlled by Baghouse B10DC1;~~
- ~~(o) mold making activities;~~
- ~~(p) one (1) silo containment system, with dust controlled by a passive baghouse, identified as B5C1;~~
- ~~(q) one (1) reclaim crusher, with dust controlled by Baghouse B5C3;~~
- ~~(r) one (1) blunger, with dust controlled by a passive baghouse, identified as B5C2;~~
- ~~(s) glaze mix-up operation, with dust controlled by a filter system;~~
- ~~(t) one (1) fired ware inspection and patch booth, identified as B10DP4M2, with overspray controlled by baghouse B10DC1;~~
- ~~(u) one (1) inspection and patch booth, identified as B10DP4M3, with overspray controlled by baghouse B10DC1;~~
- ~~(v) four (4) natural gas space heaters, each rated at 0.375 MMBtu per hour;~~
- ~~(w) one (1) bowl base grinder, exhausting through baghouse B10DC1;~~
- ~~(x) one (1) lavatory base grinder, exhausting through baghouse B10DC1;~~
- ~~(y) one (1) fired ware crusher; and~~

- ~~(z) one (1) manual operated glaze booth, identified as B7P5M3, with a maximum capacity of spraying 35 pounds of glaze per hour, using a baghouse, identified as B7C6, for overspray control, and exhausting at one (1) stack, (ID No. B7).~~
- (I) **Other activities or categories with particulate matter emissions less than or equal to five (5) pounds per hour or twenty-five (25) pounds per day:**
- (1) one (1) inspection and bowl trap glazing booth, identified as B7P4M1, with overspray controlled by Baghouses B7C1 and B7C5;
 - (2) one (1) inspection booth, identified as B10AP4M1, with overspray controlled by Baghouse B10AC1;
 - (3) one (1) inspection and reconditioning booth, identified as B10DP4M1, with overspray controlled by Baghouse B10DC1;
 - (4) mold making activities;
 - (5) one (1) silo containment system, with dust controlled by a passive baghouse, identified as B5C1;
 - (6) one (1) reclaim crusher, with dust controlled by Baghouse B5C3;
 - (7) one (1) blunger, with dust controlled by a passive baghouse, identified as B5C2;
 - (8) glaze mix-up operation, with dust controlled by a filter system;
 - (9) one (1) fired ware inspection and patch booth, identified as B10DP4M2, with overspray controlled by baghouse B10DC1;
 - (10) one (1) inspection and patch booth, identified as B10DP4M3, with overspray controlled by baghouse B10DC1;
 - (11) one (1) bowl base grinder, exhausting through baghouse B10DC1;
 - (12) one (1) lavatory base grinder, exhausting through baghouse B10DC1;
 - (13) one (1) fired ware crusher; and
 - (14) one (1) manual operated glaze booth, identified as B7P5M3, with a maximum capacity of spraying 35 pounds of glaze per hour, using a baghouse, identified as B7C6, for overspray control, and exhausting at one (1) stack, (ID No. B7).

- (2) Conditions D.1.2 and D.2.1 have been revised to include a pound of PM10 per ton of dry clay emission factor. In addition, a statement limiting PM to less than 250 tons per year is now included in Condition D.2.1.

D.1.2 Particulate Matter 10 Microns (PM10) and Particulate Matter (PM) [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4:

- (a) The raw material usage (dry clay) processed by this source shall be limited to less than 36,135 tons of dry clay per 12 consecutive month period, with compliance determined at the end of each month.
- (b) **PM10 emissions shall not exceed 0.00274 pounds of PM10 per ton of dry clay.** This limitation includes all equipment listed in Sections D.1 and D.2.
- (c) **PM emissions shall not exceed 0.00274 pounds of PM per ton of dry clay. This limitation includes all equipment listed in Sections D.1 and D.2.**

~~This~~ **These limits is are** required to limit the source-wide potential to emit of PM10 to less than 100 tons and PM to less than 250 tons per twelve (12) consecutive month period. Therefore, this limit will also render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

D.2.1 Particulate Matter 10 Microns (PM10) and Particulate Matter (PM) [326 IAC 2-8-4][326 IAC 2-2]

Pursuant to 326 IAC 2-8-4:

- (a) The raw material usage (dry clay) processed by this source shall be limited to **less than** 36,135 tons of dry clay per 12 consecutive month period, with compliance determined at the end of each month.
- (b) **PM10 emissions shall not exceed 0.00274 pounds of PM10 per ton of dry clay.** This limitation includes all equipment listed in Sections D.1 and D.2.
- (c) **PM emissions shall not exceed 0.00274 pounds of PM per ton of dry clay. This limitation includes all equipment listed in Sections D.1 and D.2.**

~~This~~ **These** limits ~~is~~ **are** required to limit the source-wide potential to emit of PM10 to less than 100 tons and PM to less than 250 tons per twelve (12) consecutive month period. Therefore, this limit will also render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.

- (3) IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit. In addition, the requirement to keep records of the inspections has been removed.
- (4) Paragraph (b) of the Particulate Control condition has been revised for those processes that operate in batch mode. The condition required an emission unit to be shut down immediately in case of baghouse failure. However, IDEM is aware there can be safety issues with shutting down a process in the middle of a batch. IDEM also realizes that in some situations, shutting down an emissions unit mid-process can cause equipment damage. Therefore, since it is not always possible to shut down a process with material remaining in the equipment, IDEM has revised the condition to state that in the case of baghouse failure, the feed to the process must be shut off immediately, and the process shall be shut down as soon as practicable.
- (5) Paragraph (a) of the Broken or Failed Baghouse condition has been deleted. For multi-compartment baghouses, the permit will not specify what actions the Permittee needs to take in response to a broken bag. However, a requirement has been added to Condition D.1.4 requiring the Permittee to notify IDEM if a broken bag is detected and the control device will not be repaired for more than ten (10) days. This notification allows IDEM to take any appropriate actions if the emission unit will continue to operate for a long period of time while the control device is not operating in optimum condition.
- (6) In addition to the compliance monitoring requirements for the baghouses controlling the glaze booths, compliance monitoring conditions have been added for the water wash systems controlling particulate emissions from the automated glaze spray booths identified as B7P5A2 and B7P5A3. If a control device is used to comply with rules or permit conditions, then the permit must contain specific compliance monitoring conditions necessary to ensure proper operation of the control device(s). Properly operating the air pollution controls that are already in place is generally adequate to demonstrate compliance with 326 IAC 6-3 in lieu of a stack test and also assures compliance with applicable rules limiting fugitive dust, opacity, and (when necessary) Potential to Emit.

The following are revisions as stated in items (3) – (6) above:

D.1.4 Particulate Matter (PM)

- (a) In order to comply with D.1.1, and D.1.2 the baghouses **and water wash systems** for PM and PM10 control shall be in operation and control emissions from the glaze spray booths at all times that the glaze spray booths 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.**

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of the stack exhausts of all facilities listed under Section D.1 shall be performed once per ~~shift~~ **day** during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an~~ **If abnormal emissions is 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 - ~~Compliance Response Plan - Preparation, Implementation, Records and Reports~~ **Response to Excursions or Exceedances** shall be considered a deviation from this permit.

D.1.6 Parametric Monitoring

The Permittee shall record the ~~total static~~ pressure drop across the baghouses used in conjunction with the glaze spray booths B7P5M1, B7P5M2, B7P5A1, and B7P5A4, at least once ~~per shift~~ **daily** when the glaze spray booths are in operation when venting to the atmosphere. When for any one reading, the pressure drop across a baghouse is outside the normal range of 1.0 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 - ~~Compliance Response Plan -~~ **Failure to Take Response Steps 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 - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a ~~violation~~ **deviation** from this permit.

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

~~D.1.7 Baghouse Inspections~~

~~An inspection shall be performed each calendar quarter of all bags controlling the glaze spray booths when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting indoors. All defective bags shall be replaced.~~

~~D.1.87 Broken or Failed Bag Detection~~

~~In the event that bag failure has been observed:~~

- ~~(a) For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.~~
- ~~(b)(a) For a single compartment baghouses **controlling emissions from a process operated continuously**, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then a failed units and the associated process **shall** be shut down immediately until the failed units have **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 baghouses **controlling emissions from a batch process**, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then **the feed to the process** failed units and the associated process **will shall** be shut down immediately until the failed units have **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.

D.1.8 Monitoring

- (a) **Daily inspections shall be performed to verify that the water level in the spray booths (B7P5A2 and B7P5A3) meet the manufacturer's recommended level. To monitor the performance of the water flow, visual inspections of the water curtain shall be made weekly to identify any gaps or other disruptions in water flow. Water shall be kept free of solids and floating material that reduces the capture efficiency of the water sheet. To monitor the performance of the baffles, weekly inspections of the baffle panels shall be conducted to verify placement and configuration meet recommendations of the manufacturer. In addition, weekly observations shall be made of the overspray from the surface coating booths (B7P5A2 and B7P5A3) stacks while one or more of the booths are in operation. If a condition exists which should result in a response step, 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) **Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is 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.1.409 Record Keeping Requirements

- (a) To document compliance with Condition D.1.2, the Permittee shall maintain monthly records of material (dry clay) usage for equipment listed in D.1 and D.2.

- (b) To document compliance with Condition D.1.5, the Permittee shall maintain records of the visible emission notations the stack exhausts of all facilities listed under Section D.1.

- (c) To document compliance with Condition D.1.6, the Permittee shall maintain ~~once per shift~~ **daily** records of the total static pressure drop during normal operation when venting to the atmosphere.

- ~~(d) To document compliance with Condition D.1.7, the Permittee shall maintain records of the results of the inspections required under Condition D.1.7 and the dates the vents are redirected.~~

- (d) To document compliance with Condition D.1.8, the Permittee shall maintain weekly records of the observations of the water level, and the daily and weekly inspections.**

- ~~(f) To document compliance with Condition D.1.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.2 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).

- (7) Condition D.2.2 (Particulate) has been revised for clarity.

D.2.2 Particulate [326 IAC 6-3-2]

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from each of the facilities listed in (a) through (j) under Section D.2 shall not exceed the allowable PM emission rate of 1.00 pound per hour **and the allowable particulate emission rate from the fired ware crusher with process weight rates of 1.17 tons per hour, shall be limited to 4.54 pounds per hour. This limitation is based on the following equation:**

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

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

- ~~(b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the fired ware crusher with process weight rates of 1.17 tons per hour, shall be limited to 4.54 pounds per hour.~~
- ~~(c)~~ **(b) Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour. Therefore,** Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the bowl base grinder, the lavatory base grinders, and the manual operated glaze booth (B7P5M3), which each have a process weight rate less than 100 pounds per hour, shall be limited to 0.551 pounds per hour each.

~~This limitation is based on the following equation:~~

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

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

- (8) Peerless Pottery, Inc. has plant-wide maximum capacity of processing 72,270 tons of dry clay per year. Peerless Pottery, Inc. has taken a production limit of processing less than 36,135 ton of dry clay per twelve (12) consecutive month period. This descriptive information has been added to Section A.2 (Emission Units and Pollution Control Equipment Summary).

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

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

The plant consists of the following equipment with a plant-wide maximum capacity of processing 72,270 tons of dry clay per year. The Permittee has taken a production limit of processing less than 36,135 ton of dry clay per twelve (12) consecutive month period:

- (a) two (2) 3.92 million British thermal units per hour natural gas fired firing kilns, identified as K-1 and K-2, each with a maximum capacity of processing 0.76 tons of ceramic per hour, and each exhausting through two (2) stacks (ID Nos. B10CS1 and B10CS2 for K-1, ID Nos. B10BS7 and B10BS9 for K-2);
- (b) one (1) 28 million British thermal units per hour natural gas fired firing kiln, identified as RK-1, with a maximum capacity of processing 0.77 tons of ceramic per hour or refiring 0.578 tons of ceramic per hour, and exhausting through two (2) stacks (ID Nos. B10CS3 and B10CS4);
- (c) one (1) 20 million British thermal units per hour natural gas fired firing kiln, identified as K-4, with a maximum capacity of processing 2.59 tons of ceramic per hour, and exhausting through two (2) stacks (ID Nos. B10aS1 and B10aS2);
- (d) one (1) bowl casting and scraping operation, identified as B3P3B, with a maximum capacity of processing 288 bowls per hour, located in Building B3;
- (e) one (1) urinal casting and scraping operation, identified as B4P3U, with a maximum capacity of processing 8 urinals per hour, located in Building B4;
- (f) one (1) tank casting and scraping operation, identified as B4P3T, with a maximum capacity of processing 165 tanks per hour, located in Building B4;
- (g) one (1) lavatory casting and scraping operation, identified as B4P3L, with a maximum capacity of processing 66.2 lavatories per hour, located in Building B4;
- (h) one (1) bowl casting and scraping operation, identified as B4P3B, with a maximum capacity of processing 56 bowls per hour, located in Building B4;
- (i) one (1) manual glaze spray booth, identified as B7P5M1, with a maximum capacity of spraying 450 pounds of glaze per hour, using a baghouse, identified as B7C2, for overspray control, exhausting at one (1) stack (ID No. B7);
- (j) one (1) manual glaze spray booth, identified as B7P5M2, with a maximum capacity of spraying 450 pounds of glaze per hour, using a baghouse, identified as B7C3, for overspray control, and exhausting at one (1) stack (ID No. B7);
- (k) one (1) double automated glaze spray booth, identified as B7P5A1, with a maximum capacity of spraying 2550 pounds of glaze per hour, using a baghouse, identified as B7C5, for overspray control, and exhausting at one (1) stack (ID No. B7S22);
- (l) one (1) automated glaze spray booth, identified as B7P5A2, with a maximum capacity of spraying 1275 pounds of glaze per hour, using a waterwash for overspray control, and exhausting at one (1) stack (ID No. B7S1);
- (m) one (1) automated glaze spray booth, identified as B7P5A3, with a maximum capacity of spraying 1275 pounds of glaze per hour, using a waterwash for overspray control, and exhausting at one (1) stack (ID No. B7S2); and
- (n) one (1) double automated glaze spray booth, identified as B7P5A4, with a maximum capacity of spraying 2550 pounds of glaze per hour, using a baghouse, identified as B7C5, for overspray control, and exhausting at one (1) stack (ID No. B7S22).

(9) The Table of Contents has been updated accordingly.

- (10) IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted paragraph (b) of Section B – Preventive Maintenance and has amended the Section B – Emergency Provisions Condition. In addition, the phone numbers in the Emergency Provisions Condition have been revised.
- (11) IDEM has clarified the Section B Operational Flexibility condition.
- (12) IDEM has determined that in order to avoid duplication of requirements which may be included in D sections, Condition C.7 (Operation of Equipment) shall be removed from the permit.
- (13) IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. The Section D conditions that refer to this condition have been revised to reflect the new condition title, and changes have been made to Condition C.16, now re-numbered C.15.
- (14) The duty to supplement an application is not an ongoing requirement after the permit is issued; therefore, (a) has been removed from Condition B.8, Duty to Provide Information, now re-numbered B.7. Paragraph (c) of this condition already addresses confidentiality, therefore, the last sentence of paragraph (b) was revised to remove the statement about confidential information, and (c) was updated for clarity. Also, the condition was revised to change a rule reference. Subpart (c) references 326 IAC 17. This rule was repealed by the Air Pollution Control Board on January 26, 2000. The new rule reference has been added.
- (15) A statement was added to Condition B.10, Certification, now re-numbered B.9, in order to clarify that the certification form may cover more than one document that is submitted.
- (16) Condition C.12 (Compliance Monitoring), now re-numbered C.11, has been revised for clarity.
- (17) In Condition C.18 (d), General Reporting Requirements, clarification of what calendar year means has been added to (e).
- (18) The third sentence on the Quarterly Deviation and Compliance Monitoring report form has been replaced with the sentence that is consistent with the condition in Section B Deviations from Permit Requirements and Conditions.
- (19) The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source.
- (20) OAQ has decided to move the provision that is required by 326 IAC 2-8-4(5) from Condition B.1 to the front of the permit. Therefore, Condition B.1 has been deleted and the requirements of that condition have been added to the front page of the permit.

(21) The address for IDEM, OAQ has been corrected throughout the permit.

The changes listed below have been made to FESOP No.147-15536-00010. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

~~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 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 Supplement and Provide Information [326 IAC 2-8-4(5)(E)]~~

~~(a) — The Permittee shall furnish to IDEM, OAQ within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.~~

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

~~B.9 — Compliance Order Issuance [326 IAC 2-8-5(b)]~~

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

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

~~(a) — Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an authorized individual of truth, accuracy, and completeness. This certification, shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.~~

~~———— (b) — One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification.~~

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

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

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

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

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

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

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

- ~~(a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs), including the following information on each facility:
 - ~~(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;~~
 - ~~(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and~~
 - ~~(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.~~~~
- ~~(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute an exceedance of any limitation on emissions or potential to emit.~~
- ~~(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- ~~(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.~~

~~B.13 Emergency Provisions [326 IAC 2-8-12]~~

~~(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation, except as provided in 326 IAC 2-8-12.~~

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

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

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

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

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

~~Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section)
or,~~

~~Telephone No.: 317-233-5674 (ask for Compliance Section)~~

~~Facsimile No.: 317-233-5967~~

~~Southwest Regional Office~~

~~Telephone No.: 1-888-672-8323~~

~~Local Telephone No.: 812-436-2570~~

~~Facsimile No.: 812-436-2572~~

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

~~Indiana Department of Environmental Management~~

~~Compliance Branch, Office of Air Quality~~

~~100 North Senate Avenue, P.O. Box 6015~~

~~Indianapolis, Indiana 46206-6015~~

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

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

~~(A) A description of the emergency;~~

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

~~(C) Corrective actions taken.~~

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

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

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

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

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

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

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

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

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

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

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

~~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, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

~~using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent.~~

~~A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.~~

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

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

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

~~(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, P.O. Box 6015
Indianapolis, IN 46206-6015

(b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]

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

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

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

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

(c) Right to Operate After Application for Renewal [326 IAC 2-8-9]

If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as needed to process the application.

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

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

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

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

Any such application shall be certified by the "authorized individual" as defined by _____ 326 IAC 2-1.1-1(1).

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

(d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

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

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

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

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

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

~~(4) The Permittee notifies the:~~

~~Indiana Department of Environmental Management~~

~~Permits Branch, Office of Air Quality~~

~~100 North Senate Avenue, P.O. Box 6015~~

~~Indianapolis, Indiana 46206-6015~~

~~and~~

~~United States Environmental Protection Agency, Region V~~

~~Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)~~

~~77 West Jackson Boulevard~~

~~Chicago, Illinois 60604-3590~~

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

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

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

~~(b) Emission Trades [326 IAC 2-8-15(c)]~~

~~The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(e).~~

~~(c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]~~

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

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

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

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

~~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, P.O. Box 6015
Indianapolis, Indiana 46206-6015~~

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

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

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

- ~~_____ (a) Pursuant to 326 IAC 2-8:
 - ~~_____ (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period.~~
 - ~~_____ (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and~~
 - ~~_____ (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.~~~~
- ~~_____ (b) Pursuant to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.~~

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

~~C.3 Opacity [326 IAC 5-1]~~

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

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

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

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

~~C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(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.6 Fugitive Dust Emissions [326 IAC 6-4]~~

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

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

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

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

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

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

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

 - ~~(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - ~~(1) When the amount of affected asbestos-containing material increases or decreases by at least twenty percent (20%); or~~

 - ~~(2) If there is a change in the following:
 - ~~(A) Asbestos removal or demolition start date;~~
 - ~~(B) Removal or demolition contractor; or~~
 - ~~(C) Waste disposal site.~~~~~~
-
- ~~(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).~~
-
- ~~(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).~~

All required notifications shall be submitted to:

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

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

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

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

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

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

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

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

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

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

~~(a) Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.~~

~~(b) Whenever a condition in this permit requires the measurement of a temperature or flow rate, the instrument employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.~~

~~(c) The Preventive Maintenance Plan for the pH meter shall include calibration using known standards. The frequency of calibration shall be adjusted such that the typical error found at calibration is less than one pH point.~~

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

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

C.15 ~~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.16 Compliance Response Plan - Preparation, Implementation, Records, and Reports
[326 IAC 2-8-4] [326 IAC 2-8-5]~~

~~(a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:~~

- ~~_____ (1) Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.~~
- ~~_____ (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.~~

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

- ~~_____ (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or~~
- ~~_____ (2) If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~
- ~~_____ (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~
- ~~_____ (4) Failure to take reasonable response steps shall be considered a deviation of the permit.~~

~~_____ (c) The Permittee is not required to take any further response steps for any of the following reasons:~~

- ~~_____ (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
- ~~_____ (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.~~

- ~~_____ (3) An automatic measurement was taken when the process was not operating.~~
- ~~_____ (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~
- ~~_____ (d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.~~
- ~~(e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~
- ~~(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~

~~C.17 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.18 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 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.19 — 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 IAC 2-1.1-1(1).~~
- ~~(b) — The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015~~
- ~~(c) — Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.~~
- ~~(d) — Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~
- ~~(e) — Reporting periods are based on calendar years.~~

Stratospheric Ozone Protection

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

~~Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with 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 B GENERAL CONDITIONS

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

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

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

- (a) This permit, F147-15536-00010, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

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

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

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

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

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

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

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

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

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

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

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

B.8 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.9 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.10 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 no later than July 1 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, as IDEM, OAQ may require to determine the compliance status of the source.

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, and Southwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

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

Southwest Regional Office phone: (812) 380-2305; fax: (812) 380-2304.

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

- (a) All terms and conditions of permits established prior to F147-15536-00010 and

issued pursuant to permitting programs approved into the state implementation plan have been either:

- (1) incorporated as originally stated,
- (2) revised, or
- (3) deleted.

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

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

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

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

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

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

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

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

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

- (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
 - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

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

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

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

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

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

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

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

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

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

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

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

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

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

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

B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][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.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

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

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

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

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

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

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

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

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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)) not applicable;
 - (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
 - (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.
- (b) The potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period. This limitation shall make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.
- (c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.
- (d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.3 Opacity [326 IAC 5-1]

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

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

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

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

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

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

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

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

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

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

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

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

- (B) Removal or demolition contractor; or**
 - (C) Waste disposal site.**
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).**
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).**

All required notifications shall be submitted to:

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

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

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

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

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

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

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

Indiana Department of Environmental Management

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

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

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

Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
- (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.16 Actions Related to Noncompliance Demonstrated by a Stack Test

- (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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

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

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

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

Addendum to Appendix A: Emission Calculations

Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP: 147-15536
Pit ID: 147-00010
Reviewer: Linda Quigley/EVP
Date: December 29, 2006

Uncontrolled Potential Emissions (tons/year)

Emissions Generating Activity						
Pollutant	Natural Gas Combustion	Fire/Refire Kilns	Glaze Application	Casting and Scraping Operations	Miscellaneous* Insignificant Activities	TOTAL
PM	0.03	10.64	355.77	62.36	438.12	866.92
PM10	0.13	10.64	355.77	62.36	438.12	867.02
SO2	0.01	0.00	0.00	0.00	0.00	0.01
NOx	1.75	11.54	0.00	0.00	0.00	13.29
VOC	0.10	9.19	0.00	0.00	0.00	9.29
CO	1.47	70.54	0.00	0.00	0.00	72.01
total HAPs	0.03	9.88	0.00	0.00	0.00	9.91
worst case single HAP	0.03	9.88	0.00	0.00	0.00	9.88
	hexane	hydrogen fluoride				
Total emissions based on rated capacity at 8,760 hours/year minus the removed equipment.						

Controlled Potential Emissions (tons/year)

Emissions Generating Activity						
Pollutant	Natural Gas Combustion	Fire/Refire Kilns	Glaze Application	Casting and Scraping Operations	Miscellaneous* Insignificant Activities	TOTAL
PM	0.03	8.04	18.41	31.18	21.90	79.56
PM10	0.13	8.04	18.41	31.18	21.90	79.66
SO2	0.01	0.00	0.00	0.00	0.00	0.01
NOx	1.75	8.72	0.00	0.00	0.00	10.47
VOC	0.10	6.95	0.00	0.00	0.00	7.05
CO	1.47	53.31	0.00	0.00	0.00	54.78
total HAPs	0.03	7.47	0.00	0.00	0.00	7.50
worst case single HAP	0.03	7.47	0.00	0.00	0.00	7.47
	hexane	hydrogen fluoride				

Total emissions based on rated capacity at 8,760 hours/year, after control minus the removed equipment.

* Miscellaneous insignificant activities include inspection and bowl trap glazing booth (ID No. B7P4M1), inspection booth (ID No. B10AP4M1), inspection and reconditioning booth (ID No. B10DP4M1), mold making activities, silo containment system, reclaim crusher, blunger, glaze mix-up, inspection and patch booth (ID No. B10DP4M2), inspection and patch booth (ID No. B10DP4M3), bowl base grinder, lavatory base grinder and fired ware crusher, and manual operated glaze booth (ID No. B7P5M3).

Based on information provided by the source, each of the first ten (10) activities have a controlled PM/PM10 emission rate of less than 1 lb/hr. Therefore, the potential PM/PM10 emissions

from these activities are: $10 * 1 \text{ lb/hr} / (1 - 90\% \text{ control}) * 4.38 \text{ (ton/yr)} / (\text{lb/hr}) = 438 \text{ ton/yr}$

Controlled PM/PM10 emissions = $438 \text{ ton/yr} * (1 - 90\%) * (1 - 50\%) = 21.90 \text{ ton/yr}$

Estimated PM/PM10 emissions from the remaining five (5) activities are 0.05 tons per year.

**Appendix A: Emissions Calculations
Casting and Scraping Operations**

**Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP #: F147-15536
Plt ID: 147-00010
Reviewer: Linda Quigley/EVP
Application Rec.: April 22, 2002**

Source ID	Source Description	Max. Process Rate (units/hr)	Emission Factor (1) (lb/unit)	Maximum Emmissions (2)		
				(lb/hr)	Potential (ton/yr)	Limited (ton/yr) (3)
B3P3B	Bowl Casting Scraping	288	0.0335	9.65	42.26	21.13
B4P3U	Urinal Casting Scraping	8	0.0335	0.27	1.17	0.59
B4P3T	Tank Casting Scraping	165	0.0127	2.10	9.18	4.59
B4P3L	Lavatory Casting Scraping	66.2	0.0053	0.35	1.54	0.77
B4P3B	Bowl Casting Scraping	56	0.0335	1.88	8.22	4.11
Total			0.12	14.24	62.36	31.18

- (1) Emission factors for each casting and scraping operation are based on information provided by the applicant.
- (2) Limited emissions are based on 50% of plant capacity, or $8.25 \text{ ton/hr} * 8760 \text{ hr/yr} * 50\% = 36,135 \text{ ton/yr}$ processed for casting and scraping operations.

Addendum to Appendix A: Emissions Calculations
Firing-Natural Gas Fired Kilns and Refire-Natural Gas Fired Kilns

Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP #: F147-15536
Plt ID: 147-00010
Reviewer: Linda Quigley/EVP
Date: December 29, 2006

Raw Material Input Capacity tons of Ceramic/hr		Potential Throughput ton/yr	Limited Throughput ton/yr
4.880	Firing Kiln	42748.8	32308.3
0.578	Refire Kiln	5063.3	3826.7

Raw Material Input Capacity includes:

Firing-Natural Gas Fired Kiln - two kilns @ 0.76 ton/hr; one kiln @ 0.77 ton/hr; one kiln @ 2.59 ton/hr

Refiring-Natural Gas Fired Kiln - one kiln @0.578 ton/hr.

Emission Factor (lb/ton)	Pollutant	Emissions (ton/yr)						
		PM	PM10	SO2	NOx	VOC	CO	HF
Firing Kiln	Firing Kiln	0.49	0.49	0.44 S **	0.54	0.43	3.30	0.46
	Refire Kiln	0.067	0.067	0.00	0.00	0.00	0.00	0.019
Potential Emission in tons/yr	Firing Kiln	10.47	10.47	0.00	11.54	9.19	70.54	9.83
	Refire Kiln	0.17	0.17	0.00	0.00	0.00	0.00	0.05
	TOTAL	10.64	10.64	0.00	11.54	9.19	70.54	9.88
Limited Emission in tons/yr	Firing Kiln	7.92	7.92	0.00	8.72	6.95	53.31	7.43
	Refire Kiln	0.13	0.13	0.00	0.00	0.00	0.00	0.04
	TOTAL	8.04	8.04	0.00	8.72	6.95	53.31	7.47

** S is the sulfur content of raw material. The source is using the raw material with no sulfur content, per MSDS.

The source is using lead-free material, therefore no lead is emitted.

Methodology:

Potential Throughput (ton/yr) = Raw Material Input Capacity (ton/hr) x 8,760 hrs/yr

Emission Factors are from AP 42, Chapter 11.7, Tables 11.7-1, 11.7-2 SCC #3-05-008-50

Potential Emission (tons/yr) = Throughput (ton/hr) x Emission Factor (lb/ton)/2,000 lb/ton x 8760 hr/yr

Limited Emission (tons/yr) is based on a raw material usage limit of 36,135 tons of dry clay per year.

**Appendix A: Emissions Calculations - Addendum
Compliance with 326 IAC 6-3-2 and 326 IAC 2-8**

**Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP #: F147-15536
Plt ID: 147-00010
Reviewer: Linda Quigley/EVP
Date: December 29, 2006**

Pursuant to 326 IAC 6-3-2, allowable PM emissions are calculated as follows:

Emission Limit (lb/hr) = $4.1 * P^{0.67}$ where P = process weight rate in ton/hr (for P < 30 ton/hr)

Source ID	Source Description	Max. Process Wt. (ton/hr)	Allowable PM Emissions (lb/hr)	Allowable PM10 Emissions (1)		Limited/Controlled Emissions (2)	
				(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)
K-1	Firing Natural Gas Fired Kiln	0.76	3.41	0.48	1.06	0.37	0.82
K-2	Firing Natural Gas Fired Kiln	0.76	3.41	0.48	1.06	0.37	0.82
K-4	Firing Natural Gas Fired Kiln	2.59	7.76	1.65	3.62	1.27	2.78
RK-1	Refiring Natural Gas Fired Kiln	0.77	3.44	0.07	0.15	0.05	0.11
B7P5M1	Manual Glaze Booth	0.84	3.65	0.11	0.24	0.09	0.19
B7P5M2	Manual Glaze Booth	0.84	3.65	0.11	0.24	0.09	0.19
B7P5A1	Double Automated Glaze Booth	4.78	11.70	0.63	1.38	0.48	1.06
B7P5A1	Double Automated Glaze Booth	4.78	11.70	0.63	1.38	0.48	1.06
B7P5A2	Automated Glaze Booth	2.39	7.35	4.73	10.36	3.63	7.96
B7P5A3	Automated Glaze Booth	2.39	7.35	4.73	10.36	3.63	7.96
B3P3B	Bowl Casting Scraping	4.67	11.51	12.56	27.52	9.65	21.13
B4P3U	Urinal Casting Scraping	0.10	0.87	0.35	0.76	0.27	0.59
B4P3T	Tank Casting Scraping	2.91	8.39	2.73	5.98	2.10	4.59
B4P3L	Lavatory Casting Scraping	0.68	3.16	0.46	1.00	0.35	0.77
B4P3B	Bowl Casting Scraping	0.91	3.84	2.44	5.35	1.88	4.11
B7P4M1	Inspection Glaze Booth **	4.66	11.50	0.65	2.85	0.50	2.19
B10AP4M1	Inspection Booth **	4.66	11.50	0.65	2.85	0.50	2.19
B10DP4M1	Inspection Recondition Booth **	4.66	11.50	0.65	2.85	0.50	2.19
B10DP4M2	Inspection and Patch Booth**	4.66	11.50	0.65	2.85	0.50	2.19
B10DP4M3	Inspection and Patch Booth **	4.66	11.50	0.65	2.85	0.50	2.19
	Mold Making **	0.19	1.34	0.65	2.85	0.50	2.19
B5C1	Silo Containment System **	3.75	9.94	0.65	2.85	0.50	2.19
B5C3	Reclaim Crusher **	0.75	3.38	0.65	2.85	0.50	2.19
B5C2	Blunger **	8.25	16.86	0.65	2.85	0.50	2.19
	Glaze Mix-Up **	3.00	8.56	0.65	2.85	0.50	2.19
Total			188.75		99.00		76.02

** Based on information provided by the source, these are all insignificant activities and each has maximum controlled PM emissions less than 1.0 lb/hr (or less than 4.38 ton/yr).

- (1) Sourcewide PM-10 emissions are greater than FESOP allowable 99 ton/yr. Therefore, allowable PM-10 emissions for all equipment are truncated such that sourcewide PM-10 emissions, based on limited annual material throughput of 50.00% of plant capacity, are 99 tons per year.
- (2) Limited PM emissions are based on maximum controlled emissions with plant operating at 50% of annual capacity (i.e. 8.25 ton/hr * 8760 hr/yr * 50% = 36,135 ton/yr processed for casting and scraping operations). (PM10 assumed to equal PM).

Indiana Department of Environmental Management Office of Air Quality

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

Source Background and Description

Source Name: Peerless Pottery, Inc.
Source Location: North Lincoln Avenue, Rockport, Indiana 47635
County: Spencer
SIC Code: 3261
Operation Permit No.: F147-15536-00010
Permit Reviewer: Linda Quigley/EVP

The Office of Air Quality (OAQ) has reviewed a FESOP renewal application from Peerless Pottery, Inc. relating to the operation of a stationary vitreous china plumbing fixtures manufacturing plant. Peerless Pottery, Inc. was issued FESOP 147-7890-00010 on December 12, 1997.

Permitted Emission Units and Pollution Control Equipment

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

- (a) two (2) 3.92 million British thermal units per hour natural gas fired firing kilns, identified as K-1 and K-2, each with a maximum capacity of processing 0.76 tons of ceramic per hour, and each exhausting through two (2) stacks (ID Nos. B10CS1 and B10CS2 for K-1, ID Nos. B10BS7 and B10BS9 for K-2);
- (b) one (1) 28 million British thermal units per hour natural gas fired firing kiln, identified as RK-1, with a maximum capacity of processing 0.77 tons of ceramic per hour or refiring 0.578 tons of ceramic per hour, and exhausting through two (2) stacks (ID Nos. B10CS3 and B10CS4);
- (c) one (1) 20 million British thermal units per hour natural gas fired firing kiln, identified as K-4, with a maximum capacity of processing 2.59 tons of ceramic per hour, and exhausting through two (2) stacks (ID Nos. B10aS1 and B10aS2);
- (d) one (1) bowl casting and scraping operation, identified as B3P3B, with a maximum capacity of processing 288 bowls per hour, located in Building B3;
- (e) one (1) urinal casting and scraping operation, identified as B4P3U, with a maximum capacity of processing 8 urinals per hour, located in Building B4;
- (f) one (1) tank casting and scraping operation, identified as B4P3T, with a maximum capacity of processing 165 tanks per hour, located in Building B4;
- (g) one (1) lavatory casting and scraping operation, identified as B4P3L, with a maximum capacity of processing 66.2 lavatories per hour, located in Building B4;
- (h) one (1) bowl casting and scraping operation, identified as B4P3B, with a maximum capacity of processing 56 bowls per hour, located in Building B4;
- (i) one (1) manual glaze spray booth, identified as B7P5M1, with a maximum capacity of spraying 450 pounds of glaze per hour, using a baghouse, identified as B7C2, for overspray control, exhausting at one (1) stack (ID No. B7);

- (j) one (1) manual glaze spray booth, identified as B7P5M2, with a maximum capacity of spraying 450 pounds of glaze per hour, using a baghouse, identified as B7C3, for overspray control, and exhausting at one (1) stack (ID No. B7);
- (k) one (1) double automated glaze spray booth, identified as B7P5A1, with a maximum capacity of spraying 2550 pounds of glaze per hour, using a baghouse, identified as B7C5, for overspray control, and exhausting at one (1) stack (ID No. B7S22);
- (l) one (1) automated glaze spray booth, identified as B7P5A2, with a maximum capacity of spraying 1275 pounds of glaze per hour, using a waterwash for overspray control, and exhausting at one (1) stack (ID No. B7S1);
- (m) one (1) automated glaze spray booth, identified as B7P5A3, with a maximum capacity of spraying 1275 pounds of glaze per hour, using a waterwash for overspray control, and exhausting at one (1) stack (ID No. B7S2); and
- (n) one (1) double automated glaze spray booth, identified as B7P5A4, with a maximum capacity of spraying 2550 pounds of glaze per hour, using a baghouse, identified as B7C5, for overspray control, and exhausting at one (1) stack (ID No. B7S22).

Note: the one (1) tank casting and scraping operation, identified as B2P3T, with a maximum capacity of processing 133 tanks per hour has been removed.

Unpermitted Emission Units and Pollution Control Equipment

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

Insignificant Activities

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

- (a) one (1) natural gas fired dryer, with a rated capacity of 2.5 million British thermal units per hour;
- (b) application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
- (c) degreasing operations that do not exceed 145 gallons per 12 months;
 - (1) one parts washer, installed May 1987;
- (d) closed loop heating and cooling systems;
- (e) activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1 percent by volume;
- (f) water based adhesives that are less than or equal to 5 percent by volume of VOCs excluding HAPs;
- (g) replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;
- (h) paved and unpaved roads and parking lots with public access;
- (i) grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors, and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations;
- (j) mold release agents using low volatile products (vapor pressure less than or equal to 2 kilopascals measured at 38 degree C);
- (k) farm operations;
- (l) one (1) inspection and bowl trap glazing booth, identified as B7P4M1, with overspray controlled by Baghouses B7C1 and B7C5;
- (m) one (1) inspection booth, identified as B10AP4M1, with overspray controlled by Baghouse B10AC1;

- (n) one (1) inspection and reconditioning booth, identified as B10DP4M1, with overspray controlled by Baghouse B10DC1;
- (o) mold making activities;
- (p) one (1) silo containment system, with dust controlled by a passive baghouse, identified as B5C1;
- (q) one (1) reclaim crusher, with dust controlled by Baghouse B5C3;
- (r) one (1) blunger, with dust controlled by a passive baghouse, identified as B5C2;
- (s) glaze mix-up operation, with dust controlled by a filter system;
- (t) one (1) fired ware inspection and patch booth, identified as B10DP4M2, with overspray controlled by baghouse B10DC1;
- (u) one (1) inspection and patch booth, identified as B10DP4M3, with overspray controlled by baghouse B10DC1;
- (v) four (4) natural gas space heaters, each rated at 0.375 MMBtu per hour;
- (w) one (1) bowl base grinder, exhausting through baghouse B10DC1;
- (x) one (1) lavatory base grinder, exhausting through baghouse B10DC1;
- (y) one (1) fired ware crusher; and
- (z) one (1) manual operated glaze booth, identified as B7P5M3, with a maximum capacity of spraying 35 pounds of glaze per hour, using a baghouse, identified as B7C6, for overspray control, and exhausting at one (1) stack (ID No. B7).

Existing Approvals

- (a) FESOP 147-7890-00010, issued on December 12, 1997;
- (b) AA 147-12985-00010, issued on January 12, 2001; and
- (c) SPR 147-17424-00010, issued on October 17, 2003.

All conditions from previous approvals were incorporated into this FESOP with the exception of the following:

- (1) Frequencies for visible emissions notations and pressure drop readings of the baghouses have been changed to once per shift.

Reason changed: Compliance monitoring conditions are in the permit in order to ensure continuous compliance with the requirements. Control device failure can occur suddenly; therefore monitoring of relevant operational parameters should be more frequent than weekly or even daily in such cases where a source operates more than one shift per day. The OAQ believes that changing visible emissions notations and pressure drop readings to once per operating shift is necessary for the covered control devices to assure the proper operation of the equipment. Therefore, the requirements to perform visible emissions notations and pressure drop readings of the baghouses have been changed from weekly to once per shift.

- (2) All references to the one (1) tank casting and scraping operation, identified as B2P3T, with a maximum capacity of processing 133 tanks per hour have been removed.

Enforcement Issue

There are no enforcement actions 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 April 22, 2002.

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

Emission Calculations

See Appendix A of this document for detailed emissions calculations, pages 1 through 7.

Unrestricted Potential Emissions

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

Pollutant	Unrestricted Potential Emissions (tons/yr)
PM	greater than 250
PM-10	greater than 250
SO ₂	less than 100
VOC	less than 100
CO	less than 100
NO _x	less than 100

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

HAP's	Unrestricted Potential Emissions (tons/yr)
hydrogen fluoride	less than 10
hexane	less than 10
benzene	less than 10
dichlorobenzene	less than 10
formaldehyde	less than 10
toluene	less than 10
lead	less than 10
cadmium	less than 10
chromium	less than 10
manganese	less than 10
nickel	less than 10
TOTAL	less than 25

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of PM-10 is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.

(b) 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 emissions are not counted toward determination of PSD and Emission Offset applicability.

Potential to Emit After Issuance

The source, issued a FESOP on December 12, 1997, has opted to remain a FESOP source, rather than apply for a Part 70 Operating Permit. 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 Federally Enforceable State Operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit. The source's potential to emit is based on the emission units included in the original FESOP, (F147-7890-00010; issued on December 12, 1997), Administrative Amendment, (AA147-12985-00010, issued on January 12, 2001) and Significant Permit Revision (SPR147-17424-00010, issued on October 17, 2003).

Process/emission unit	Potential to Emit After Issuance (tons/year)							
	PM	PM-10	SO ₂	VOC	CO	NO _x	Single HAP	Total HAPs
fire/refire kilns ⁽²⁾	5.09	5.09	0.00	4.39	33.68	5.51	4.72	4.72
glaze application ⁽³⁾	18.41	18.41	--	--	--	--	--	--
casting and scraping ⁽²⁾	31.18	31.18	--	--	--	--	--	--
natural gas fired ⁽¹⁾ combustion	0.03	0.13	0.01	0.10	1.47	1.75	0.03	0.03
insignificant activities ⁽⁴⁾	21.90	21.90	--	--	--	--	--	--
Total PTE After Issuance	75.55	75.65	0.01	4.49	35.15	7.26	4.72	4.75

- (1) uncontrolled potential to emit.
- (2) controlled potential emissions based on fifty percent (50%) raw material usage limitation.
- (3) controlled PM/PM10 emissions based on baghouses each with 98% efficiency for two (2) 450 lb/hr and two (2) 2550 lb/hr booths and waterwashes each with 70% efficiency for two (2) 1275 lb/hr booths.
- (4) controlled PM/PM10 emissions based on baghouses each with 90% control efficiency and fifty percent (50%) raw material usage limitation.

County Attainment Status

The source is located in Spencer County.

Pollutant	Status
PM-10	attainment
SO ₂	attainment
NO ₂	attainment
Ozone	attainment
CO	attainment
Lead	attainment

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

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) The National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning (40 CFR Part 63, Subpart T) is not applicable to this source because a non-chlorinated solvent cold cleaner is used. No other NESHAPs apply to this source.

State Rule Applicability - Entire Source

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

This source is not subject to the requirements of these rules. As shown in the Potential to Emit After Issuance table on page 5 above, the allowable emissions of PM₁₀, VOC, SO₂, NO_x and CO, are less than 100 tons per year after application of all federally enforceable emission limits. PM emissions, as a result of the raw material usage limitation per 326 IAC 2-8-4 (FESOP), shall be limited to less than 250 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) will not apply.

326 IAC 2-4.1-1 (New Source Toxics Control)

Pursuant to 326 IAC 2-4.1-1 (New Source Toxics Control), any new process or production unit, which in and of itself emits or has the PTE 10 tons per year of any HAP or 25 tons per year of the combination of HAPs, and is constructed or reconstructed after July 27, 1997, must be controlled using technologies consistent with Maximum Achievable Control Technology (MACT). No facilities with an uncontrolled PTE of 10 tons per year of any single HAP and 25 tons per year of the combination of HAPs have been constructed or reconstructed since July 27, 1997. Therefore, the requirements of 326 IAC 2-4.1-1 (New Source Toxics Control) still do not apply to this source.

326 IAC 2-6 (Emission Reporting)

This source is located in Spencer County which is not one of the specifically listed counties, nor does this FESOP source have the potential to emit CO, VOC, NO_x, PM₁₀ (including fugitive emissions), or SO₂ in amounts at or exceeding one-hundred (100) tons per year. Therefore, the requirements of 326 IAC 2-6 still do not apply to the source.

326 IAC 2-8-4 (FESOP)

This source is subject to 326 IAC 2-8-4 (FESOP). Pursuant to this rule, the following limits shall apply:

- (a) The raw material usage (dry clay) processed by this source shall be limited to less than 36,135 tons of dry clay per 12 consecutive month period. This limitation includes all equipment listed in Sections D.1 and D.2 of the permit. This limit is required to limit the source-wide potential to emit of PM10 to less than 100 tons per twelve (12) consecutive month period, with compliance determined at the end of each month, such that the requirements of 326 IAC 2-7 (Part 70) are not applicable.
- (b) The uncontrolled potential to emit of SO₂, NO_x, VOC and CO are each less than one hundred (100) tons per year. This source therefore does not need to limit SO₂, NO_x, VOC or CO emissions to comply with 326 IAC 2-8-4 (FESOP).

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of forty percent (40%) 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.

State Rule Applicability - Individual Facilities

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

- (a) The particulate from the natural gas fired kilns, glaze booths, casting and scraping operations and miscellaneous activities, shall be limited by the following:

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

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

Source ID	Source Description	Process Weight Rate (ton/hr)	Allowable Emissions (lb/hr)	Controlled Emissions (lb/hr)	Compliance with 326 IAC 6-3-2 (Y/N)
(a) K-1	Firing Natural Gas Fired Kiln	0.76	3.41	0.37	Y
(a) K-2	Firing Natural Gas Fired Kiln	0.76	3.41	0.37	Y
(b) RK-1	Firing/Refiring Natural Gas Fired Kiln	0.77	3.44	0.05	Y
(c) K-4	Firing Natural Gas Fired Kiln	2.59	7.76	1.27	Y
(d) B3P3B	Bowl Casting Scraping	4.67	11.51	9.65	Y
(e) B4P3U	Urinal Casting Scraping	0.10	0.87	0.27	Y
(f) B4P3T	Tank Casting Scraping	2.91	8.39	2.10	Y
(g) B4P3L	Lavatory Casting Scraping	0.68	3.16	0.35	Y
(h) B4P3B	Bowl Casting Scraping	0.91	3.84	1.88	Y
(i) B7P5M1	Manual Glaze Booth	0.84	3.66	0.09	Y
(j) B7P5M2	Manual Glaze Booth	0.84	3.66	0.09	Y
(k) B7P5A1	Double Automated Glaze Booth	4.78	11.70	0.48	Y
(n) B7P5A4	Double Automated Glaze Booth	4.78	11.70	0.48	Y
(l) B7P5A2	Automated Glaze Booth	2.39	7.35	3.63	Y
(m) B7P5A3	Automated Glaze Booth	2.39	7.35	3.63	Y
B7P4M1	*inspection and bowl trap glaze booth	--	1.00	1.00	Y
B10AP4M1	*inspection booth	--	1.00	1.00	Y
B10DP4M1	*inspection and recondition booth	--	1.00	1.00	Y
B10AP4M2	*inspection and recondition booth	--	1.00	1.00	Y
B10AP4M3	*inspection and patch booth	--	1.00	1.00	Y
	*mold making activities	--	1.00	1.00	Y
	*silos containment system	--	1.00	1.00	Y
	*reclaim crusher	--	1.00	1.00	Y

Source ID	Source Description	Process Weight Rate (ton/hr)	Allowable Emissions (lb/hr)	Controlled Emissions (lb/hr)	Compliance with 326 IAC 6-3-2 (Y/N)
	*blunger	--	1.00	1.00	Y
	*glaze mix up operation	--	1.00	1.00	Y
	fired ware crusher	1.17	4.54	0.03	Y

C Based on information provided by the source, these are all insignificant activities and each has a maximum controlled PM emissions rate of less than 1.0 lb/hr (or less than 4.38 ton/yr).

326 IAC 6-4 (Fugitive Dust Emissions)

This source is subject to 326 IAC 6-4 for fugitive dust emissions. Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions), fugitive dust shall not be visible crossing the boundary or property line of a source. Observances of visible emissions crossing property lines may be refuted by factual data expressed in 326 IAC 6-4-2(1), (2) or (3).

326 IAC 8-3-2 (Cold cleaner operation)

Pursuant to 326 IAC 8-3-1(a)(2), the parts washer, an insignificant activity, is subject to the requirements of 326 IAC 8-3-2 (Cold cleaner operation) since it was constructed after January 1, 1980. Pursuant to 326 IAC 8-3-1(b)(2), 326 IAC 8-3-5 only applies to cold cleaner degreasers without a remote solvent reservoir. Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the owner or operator shall:

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

The source will be in compliance with the provisions 326 IAC 8-3-2.

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

The parts washer, an insignificant activity, is a cold cleaner type facility which does have a remote solvent reservoir. It is therefore not subject to the operation and control provisions of 326 IAC 8-3-5.

Testing Requirements

Testing is not required for the glaze application booths because emissions were based on AP-42 emission factors. Testing is not required for the miscellaneous insignificant activities because each activity has a controlled emission rate of less than 1 lb/hr (4.38 tpy).

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

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

1. The PM emitting equipment subject to 326 IAC 6-3-2, as listed on page 7 of 7, TSD Appendix A, have applicable compliance monitoring conditions as specified below:
 - (a) Visible emission notations of the stack exhausts for the four (4) firing natural gas fired kilns, one (1) refire natural gas fired kiln, six (6) casting and scraping operations, and six (6) glaze spray booths, shall be performed at least once per shift during normal daylight operations. A trained employee will record whether emissions are normal or abnormal. For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time. In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions. A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

- (b) The Permittee shall record the total static pressure drop across the baghouses used in conjunction with the glaze spray booths (B7P5M1, B7P5M2, B7P5A1 and B7P5A4, at least once per shift when the glaze spray booths are in operation. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 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- Compliance Response Plan - Preparation, Implementation, Records, and Reports. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit.

- (c) An inspection shall be performed in the last month of each calendar quarter of all bags controlling the glaze spray booths when venting to the atmosphere. A baghouse inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting indoors. All defective bags shall be replaced.

These monitoring conditions are necessary because the baghouses for the glaze spray booths must operate properly to ensure compliance with 326 IAC 6-3 (Process Operations) and 326 IAC 2-8 (FESOP).

Conclusion

The operation of this vitreous china plumbing fixtures manufacturing plant shall be subject to the conditions of the attached proposed FESOP renewal No.: F147-15536-00010.

Appendix A: Emission Calculations

Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP: 147-15536
Pit ID: 147-00010
Reviewer: Linda Quigley/EVP
App. Rec.: April 22, 2002

Uncontrolled Potential Emissions (tons/year)						
Emissions Generating Activity						
Pollutant	Natural Gas Combustion	Fire/Refire Kilns	Glaze Application	Casting and Scraping Operations	Miscellaneous* Insignificant Activities	TOTAL
PM	0.03	10.64	355.77	62.36	438.12	866.92
PM10	0.13	10.64	355.77	62.36	438.12	867.02
SO2	0.01	0.00	0.00	0.00	0.00	0.01
NOx	1.75	11.54	0.00	0.00	0.00	13.29
VOC	0.10	9.19	0.00	0.00	0.00	9.29
CO	1.47	70.54	0.00	0.00	0.00	72.01
total HAPs	0.03	9.88	0.00	0.00	0.00	9.91
worst case single HAP	0.03	9.88	0.00	0.00	0.00	9.88
	hexane	hydrogen fluoride				
Total emissions based on rated capacity at 8,760 hours/year minus the removed equipment.						

Controlled Potential Emissions (tons/year)						
Emissions Generating Activity						
Pollutant	Natural Gas Combustion	Fire/Refire Kilns	Glaze Application	Casting and Scraping Operations	Miscellaneous* Insignificant Activities	TOTAL
PM	0.03	5.09	18.41	31.18	21.90	76.61
PM10	0.13	5.09	18.41	31.18	21.90	76.71
SO2	0.01	0.00	0.00	0.00	0.00	0.01
NOx	1.75	5.51	0.00	0.00	0.00	7.26
VOC	0.10	4.39	0.00	0.00	0.00	4.49
CO	1.47	33.68	0.00	0.00	0.00	35.15
total HAPs	0.03	4.72	0.00	0.00	0.00	4.75
worst case single HAP	0.03	4.72	0.00	0.00	0.00	4.72
	hexane	hydrogen fluoride				
Total emissions based on rated capacity at 8,760 hours/year, after control minus the removed equipment.						

* Miscellaneous insignificant activities include inspection and bowl trap glazing booth (ID No. B7P4M1), inspection booth (ID No. B10AP4M1), inspection and reconditioning booth (ID No. B10DP4M1), mold making activities, silo containment system, reclaim crusher, blunger, glaze mix-up, inspection and patch booth (ID No. B10DP4M2), inspection and patch booth (ID No. B10DP4M3), bowl base grinder, lavatory base grinder and fired ware crusher, and manual operated glaze booth (ID No. B7P5M3).

Based on information provided by the source, each of the first ten (10) activities have a controlled PM/PM10 emission rate of less than 1 lb/hr. Therefore, the potential PM/PM10 emissions

from these activities are: $10 * 1 \text{ lb/hr} / (1 - 90\% \text{ control}) * 4.38 \text{ (ton/yr)} / (\text{lb/hr}) = 438 \text{ ton/yr}$

Controlled PM/PM10 emissions = $438 \text{ ton/yr} * (1 - 90\%) * (1 - 50\%) = 21.90 \text{ ton/yr}$

Estimated PM/PM10 emissions from the remaining five (5) activities are 0.05 tons per year.

**Appendix A: Emissions Calculations
Glaze Application**

**Company Name: Peerless Pottery, Inc.
Source Location: North Lincoln Avenue, Rockport, IN 47635
FESOP #: F147-15536
Pit ID: 147-00010
Reviewer: Linda Quigley/EVP
Application Rec.: April 22, 2002**

	Operation	Process Wt. (ton/hr)	Control Eff. (%)	Emissions (ton/yr)					
				PM	PM10	SO2	NOx	VOC	CO
Emissions Factor (lb/ton)				19.00	19.00	0.00	0.00	0.00	0.00
Potential Emissions (ton/yr)	Manual Spray Booth	0.225		18.72	18.72	0.00	0.00	0.00	0.00
	Manual Spray Booth	0.225		18.72	18.72	0.00	0.00	0.00	0.00
	Double Automated Booth	1.275		106.11	106.11	0.00	0.00	0.00	0.00
	Double Automated Booth	1.275		106.11	106.11	0.00	0.00	0.00	0.00
	Automated Spray Booth	0.6375		53.05	53.05	0.00	0.00	0.00	0.00
	Automated Spray Booth	0.6375		53.05	53.05	0.00	0.00	0.00	0.00
	TOTAL				355.77	355.77	0.00	0.00	0.00
Limited Emissions (ton/yr)	Manual Spray Booth	0.225	98%	0.19	0.19	0.00	0.00	0.00	0.00
	Manual Spray Booth	0.225	98%	0.19	0.19	0.00	0.00	0.00	0.00
	Double Automated Booth	1.275	98%	1.06	1.06	0.00	0.00	0.00	0.00
	Double Automated Booth	1.275	98%	1.06	1.06	0.00	0.00	0.00	0.00
	Automated Spray Booth	0.6375	70%	7.96	7.96	0.00	0.00	0.00	0.00
	Automated Spray Booth	0.6375	70%	7.96	7.96	0.00	0.00	0.00	0.00
	TOTAL				18.41	18.41	0.00	0.00	0.00

- (a) The source is using glaze that contains no VOC or HAPs material, therefore no VOC or HAP is emitted.
 (b) Controlled PM emissions from glazing operations were based on baghouse with 98% efficiency for two 450 lb/hr & one 2550 lb/hr booths and waterwash with 70% efficiency for the two 1275 lb/hr booths.

Methodology:

Potential Throughput (ton/yr) = Raw Material Input Capacity (ton/hr) x 8,760 hrs/yr

Emission Factors are from AP 42, Chapter 11.7, Tables 11.7-1, 11.7-2 SCC #3-05-008-50

Potential Emission (tons/yr) = Throughput (ton/hr) x Emission Factor (lb/ton)/2,000 lb/ton x 8760 hr/yr

Limited Emission (tons/yr) = Potential Emissions (ton/yr) x (1 - control efficiency) x usage limit (50%)

**Appendix A: Emissions Calculations
Casting and Scraping Operations**

Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP #: F147-15536
Pit ID: 147-00010
Reviewer: Linda Quigley/EVP
Application Rec.: April 22, 2002

Source ID	Source Description	Max. Process Rate (units/hr)	Emission Factor (1) (lb/unit)	Maximum Emmissions (2)		
				(lb/hr)	Potential (ton/yr)	Limited (ton/yr) (3)
B3P3B	Bowl Casting Scraping	288	0.0335	9.65	42.26	21.13
B4P3U	Urinal Casting Scraping	8	0.0335	0.27	1.17	0.59
B4P3T	Tank Casting Scraping	165	0.0127	2.10	9.18	4.59
B4P3L	Lavatory Casting Scraping	66.2	0.0053	0.35	1.54	0.77
B4P3B	Bowl Casting Scraping	56	0.0335	1.88	8.22	4.11
Total			0.12	14.24	62.36	31.18

- (1) Emission factors for each casting and scraping operation are based on information provided by the applicant.
- (2) Limited emissions are based on 50% of plant capacity, or $8.25 \text{ ton/hr} * 8760 \text{ hr/yr} * 50\% = 36,135 \text{ ton/yr}$ processed for casting and scraping operations.

Appendix A: Emissions Calculations
Firing-Natural Gas Fired Kilns and Refire-Natural Gas Fired Kilns

Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP #: F147-15536
Plt ID: 147-00010
Reviewer: Linda Quigley/EVP
Application Rec.: April 22, 2002

Raw Material Input Capacity ons of Ceramic/hr	Potential Throughput ton/yr
4.880	Firing Kiln
0.578	Refire Kiln
	42748.8
	5063.3

Raw Material Input Capacity includes:
 Firing-Natural Gas Fired Kiln - two kilns @ 0.76 ton/hr; one kiln @ 0.77 ton/hr; one kiln @ 2.59 ton/hr
 Refiring-Natural Gas Fired Kiln - one kiln @0.578 ton/hr.

Emission Factor (lb/ton)	Pollutant	Emissions (ton/yr)						
		PM	PM10	SO2	NOx	VOC	CO	HF
Firing Kiln	Firing Kiln	0.49	0.49	0.44 S **	0.54	0.43	3.30	0.46
	Refire Kiln	0.067	0.067	0.00	0.00	0.00	0.00	0.019
Potential Emission in tons/yr	Firing Kiln	10.47	10.47	0.00	11.54	9.19	70.54	9.83
	Refire Kiln	0.17	0.17	0.00	0.00	0.00	0.00	0.05
	TOTAL	10.64	10.64	0.00	11.54	9.19	70.54	9.88
Limited Emission in tons/yr	Firing Kiln	5.00	5.00	0.00	5.51	4.39	33.68	4.69
	Refire Kiln	0.08	0.08	0.00	0.00	0.00	0.00	0.02
	TOTAL	5.09	5.09	0.00	5.51	4.39	33.68	4.72

** S is the sulfur content of raw material. The source is using the raw material with no sulfur content, per MSDS.
 The source is using lead-free material, therefore no lead is emitted.

Methodology:
 Potential Throughput (ton/yr) = Raw Material Input Capacity (ton/hr) x 8,760 hrs/yr
 Emission Factors are from AP 42, Chapter 11.7, Tables 11.7-1, 11.7-2 SCC #3-05-008-50
 Potential Emission (tons/yr) = Throughput (ton/hr) x Emission Factor (lb/ton)/2,000 lb/ton x 8760 hr/yr
 Limited Emission (tons/yr) = Potential Emissions (ton/yr) x usage limit (50%)

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100

Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP: 147-15536
Plt ID: 147-00010
Reviewer: Linda Quigley/EVP
Application Rec.: April 22, 2002

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

4.0

35.0

Includes one (1) 2.5 MMBtu/hr dryer and four (4) 0.375 MMBtu/hr space heaters.

Pollutant

	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.03	0.13	0.01	1.75	0.10	1.47

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

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

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

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

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Note: Check the applicable rules and test methods for PM and PM10 when using the above emission factors to confirm that the correct factor is used (i.e., condensable included/not included).

See page 6 for HAPs emissions calculations.

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

HAPs Emissions

Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP: 147-15536
Pit ID: 147-00010
Reviewer: Linda Quigley/EVP
Application Rec.: April 22, 2002

HAPs - Organics

Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	3.679E-05	2.102E-05	1.314E-03	3.154E-02	5.957E-05

HAPs - Metals

Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	8.760E-06	1.927E-05	2.453E-05	6.658E-06	3.679E-05

Methodology is the same as page 5.

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emissions Calculations
Compliance with 326 IAC 6-3-2 and 326 IAC 2-8

Company Name: Peerless Pottery, Inc.
Address City IN Zip: North Lincoln Avenue, Rockport, IN 47635
FESOP #: F147-15536
Plt ID: 147-00010
Reviewer: Linda Quigley/EVP
Date: April 22, 2003

Pursuant to 326 IAC 6-3-2, allowable PM emissions are calculated as follows:

Emission Limit (lb/hr) = $4.1 * P^{0.67}$ where P = process weight rate in ton/hr (for P < 30 ton/hr)

Source ID	Source Description	Max. Process Wt. (ton/hr)	Allowable PM Emissions (lb/hr)	Allowable PM10 Emissions (1)		Limited/Controlled Emissions (2)	
				(lb/hr)	(ton/yr)	(lb/hr)	(ton/yr)
K-1	Firing Natural Gas Fired Kiln	0.76	3.41	0.38	0.82	0.37	0.82
K-2	Firing Natural Gas Fired Kiln	0.76	3.41	0.38	0.82	0.37	0.82
K-4	Firing Natural Gas Fired Kiln	2.59	7.76	1.28	2.81	1.27	2.78
RK-1	Refiring Natural Gas Fired Kiln	0.77	3.44	0.05	0.11	0.05	0.11
B7P5M1	Manual Glaze Booth	0.84	3.65	0.09	0.19	0.09	0.19
B7P5M2	Manual Glaze Booth	0.84	3.65	0.09	0.19	0.09	0.19
B7P5A1	Double Automated Glaze Booth	4.78	11.70	0.49	1.07	0.48	1.06
B7P5A1	Double Automated Glaze Booth	4.78	11.70	0.49	1.07	0.48	1.06
B7P5A2	Automated Glaze Booth	2.39	7.35	3.67	8.05	3.63	7.96
B7P5A3	Automated Glaze Booth	2.39	7.35	3.67	8.05	3.63	7.96
B3P3B	Bowl Casting Scraping	4.67	11.51	9.75	21.36	9.65	21.13
B4P3U	Urinal Casting Scraping	0.10	0.87	0.27	0.59	0.27	0.59
B4P3T	Tank Casting Scraping	2.91	8.39	2.12	4.64	2.10	4.59
B4P3L	Lavatory Casting Scraping	0.68	3.16	0.35	0.78	0.35	0.77
B4P3B	Bowl Casting Scraping	0.91	3.84	1.90	4.15	1.88	4.11
B7P4M1	Inspection Glaze Booth **	4.66	11.50	1.01	4.43	1.00	4.38
B10AP4M1	Inspection Booth **	4.66	11.50	1.01	4.43	1.00	4.38
B10DP4M1	Inspection Recondition Booth **	4.66	11.50	1.01	4.43	1.00	4.38
B10DP4M2	Inspection and Patch Booth**	4.66	11.50	1.01	4.43	1.00	4.38
B10DP4M3	Inspection and Patch Booth **	4.66	11.50	1.01	4.43	1.00	4.38
	Mold Making **	0.19	1.34	1.01	4.43	1.00	4.38
B5C1	Silo Containment System **	3.75	9.94	1.01	4.43	1.00	4.38
B5C3	Reclaim Crusher **	0.75	3.38	1.01	4.43	1.00	4.38
B5C2	Blunger **	8.25	16.86	1.01	4.43	1.00	4.38
	Glaze Mix-Up **	3.00	8.56	1.01	4.43	1.00	4.38
Total			188.75		99.00		97.92

** Based on information provided by the source, these are all insignificant activities and each has maximum controlled PM emissions less than 1.0 lb/hr (or less than 4.38 ton/yr).

- (1) Sourcewide PM-10 emissions are greater than FESOP allowable 99 ton/yr. Therefore, allowable PM-10 emissions for all equipment are truncated such that sourcewide PM-10 emissions, based on limited annual material throughput of 50.00% of plant capacity, are 99 tons per year.
- (2) Limited PM emissions are based on maximum controlled emissions with plant operating at 50% of annual capacity (i.e. 8.25 ton/hr * 8760 hr/yr * 50% = 36,135 ton/yr processed for casting and scraping operations). (PM10 assumed to equal PM).