



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: February 26, 2007
RE: Jasper Engine Exchange, Inc. / 025-24111-00012
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 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 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 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-MOD.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204-2251
(317) 232-8603
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February 26, 2007

Mr. Robert Calvert
Jasper Engine Exchange, Inc.
P.O. Box 650
Jasper, Indiana 47547

Re: 025-24111-00012
Second Minor Permit Revision to
FESOP 025-15881-00012

Dear Mr. Calvert:

Jasper Engine Exchange, Inc. was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. 025-15881-00012 on November 1, 2002 for a stationary plant that remanufactures old worn out vehicle engines, transmissions, etc., located at 6400 East Industrial Lane, Leavenworth, Indiana 47137. A letter requesting changes to this permit was received from Jasper Engine Exchange, Inc. on December 22, 2006. Pursuant to the provisions of 326 IAC 2-8-11.1 a minor permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The modification consists of the Permittee requesting to construct, remove, and relocate the following emission units at the source.

1. Addition of one (1) plastic bead blaster (identified as BLA061), controlled by baghouse BLA061, and venting inside the building.
2. Addition of one (1) soda blaster (identified as BLA062), controlled by an existing baghouse DUC046, and venting inside the building.
3. Addition of one (1) plastic bead blaster (identified as BLA067), controlled by an existing baghouse DUC046, and venting inside the building.
4. Re-directing emissions from one (1) existing soda blaster cabinet (identified as BLA035) to a new baghouse DUC020, and venting inside the building.
5. Replacement of baghouse DUC041 with a new baghouse DUC029. The baghouse DUC029 will control emissions from an existing steel shot blaster BLA028, and vent inside the building.
6. Replacement of the abrasive shot blasting unit using steel shot as the blast media identified as BLA002 with a similar unit identified as BLA044.
7. Revising the pressure drop for baghouse DUC044 from 0.5-5.0 to 0.5-8.5 because the latter range reflects the normal reading range suggested by the manufacturer of the control unit.
8. Permanent removal of one (1) natural gas-fired transmission dyno (identified as DYN010) with a maximum heat input rate of 0.84 MMBtu per hour, currently listed under Section A.3 - Insignificant Activities.
9. Permanent removal of two (2) machining operations (crankshaft grinding), identified as

CSG015 and CSG016, currently listed under Section A.3 - Insignificant Activities.

10. To revise the equipment and baghouse ID of existing one (1) plastic pellet blaster from BLA04 to BLA046. There is no physical modification to the blaster or the baghouse.

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 (Revocation), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

Pursuant to 326 IAC 2-8-11.1, this permit shall be revised by incorporating the minor permit revision into the permit. All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised permit.

Pursuant to Contract No. A305-5-65, IDEM, OAQ has assigned the processing of this application to Eastern Research Group, Inc., (ERG). Therefore, questions should be directed to Sanobar Durrani, ERG, 1600 Perimeter Park Drive, Morrisville, North Carolina 27560, or call (919) 468-7810 to speak directly to Ms. Durrani. Questions may also be directed to Duane Van Laningham at IDEM, OAQ, 100 North Senate Avenue, Indianapolis, Indiana, 46204-2251, or call (800) 451-6027 and ask for Duane Van Laningham or extension 3-6878, or dial (317) 233-6878.

Sincerely,

Original signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Attachments

ERG/SD

cc: File - Crawford County
U.S. EPA, Region V
Crawford County Health Department
Southwest Regional office
Air Compliance Section Inspector - Derrick Ohning
Compliance Data Section
Administrative and Development
Technical Support and Modeling - Michele Boner



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

**Jasper Engine Exchange, Inc.
6400 East Industrial Lane
Leavenworth, Indiana 47137**

(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.

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.: F025-15881-00012	
Issued by: (Original signed by) Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: November 1, 2002 Expiration Date: November 1, 2007
<p>1st Administrative Amendment 025-19036-00012, issued June 18, 2004 1st Minor Permit Revision 025-20288-00012, issued December 15, 2004 2nd Administrative Amendment 025-19879-00012, issued December 21, 2004 3rd Administrative Amendment 025-22576-00012, issued February 8, 2006 1st Significant Permit Revision No.: 025-22253-00012, issued April 4, 2006</p>	
2nd Minor Permit Revision No. 025-24111-00012	Affected Pages: 5, 6, 27-30, 33
Issued by: Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: February 26, 2007 Expiration Date: November 1, 2007

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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 plant that remanufactures old worn out vehicle engines, transmissions, etc.

Authorized individual:	Vice President
Source Address:	6400 East Industrial Lane, Leavenworth, Indiana 47137
Mailing Address:	P.O. Box 650, Jasper, Indiana 47547
SIC Code:	3714
Source Location Status:	Crawford
County Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD; Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

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

- (a) Two (2) black beauty sand blasters (identified as BLA020 and BLA021), each with a maximum nozzle flow rate of 1,020 pounds of grit per hour, controlled by baghouses DUC044 and BLA021, respectively, and venting into the building. Baghouse DUC044 is capable of venting to the atmosphere.
- (b) Three (3) steel shot blasters (identified as BLA026, BLA027, and BLA028), each with a maximum process rate of 800 pounds of steel per hour, controlled by baghouses DUC040, DUC044, and DUC029, respectively, and venting into the building.
- (c) One (1) soda blaster cabinet (identified as BLA036), constructed in 1999, with a maximum abrasive usage of 12.5 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by a baghouse DUC046, and venting into the building.
- (d) One (1) salt bath cleaning line, with a maximum throughput rate of 16,000 pounds of parts per hour, consisting of the following:
 - (1) Two (2) molten salt cleaning tanks (identified as KOL013 and KOL014), each with a maximum capacity of 1,200 gallons and each heated by a 2.5 MMBtu/hr natural gas burner, both controlled by a wet scrubber KOL015.
 - (2) Two (2) acid derust tanks (identified as KOL016 and KOL017), each with a maximum capacity of 1,800 gallons.
 - (3) One (1) acid rinsing tank (identified as KOL018), with a maximum capacity of 1,200 gallons.
 - (4) One (1) alkaline derusting tank (identified as KOL019), with a maximum capacity of 1,200 gallons.
 - (5) One (1) alkaline rinsing tank (identified as KOL020), with a maximum capacity of 1,200 gallons.

- (6) One (1) quenching tank (identified as KOL021), with a maximum capacity of 1,800 gallons.
- (7) One (1) hot rinsing tank (identified as KOL022), with a maximum capacity of 1,800 gallons.
- (e) One (1) surface coating booth (identified as PTB006), constructed in 1999, with a maximum capacity of 145 engines and transmissions per day, equipped with High Volume Low Pressure (HVLP) spray guns and using dry filters for overspray control.
- (f) Two (2) natural gas-fired boilers, each with a maximum heat input capacity of 17 million British thermal units (MMBtu) per hour, constructed after 1990, and exhausting to stacks FEQ016 and FEQ017, respectively.
- (g) Four (4) natural gas-fired internal combustion engines, each with a maximum rate of 0.725 MMBtur/hr.
- (h) One (1) plastic pellet blaster (identified as BLA046), with a maximum process rate of 1,020 pounds of parts per hour, controlled by baghouse BLA046, and venting into the building.
- (i) One (1) abrasive blasting unit using steel shot as the blast media (identified as BLA044), with a maximum process rate of 1,020 pounds of parts per hour, controlled by baghouse DUC044, and venting either into the building or to the atmosphere.
- (j) One (1) abrasive blasting unit using coal slag as the blast media (identified as BLA022), with a maximum process rate of 1,020 pounds of parts per hour, controlled by baghouse BLA022, and venting into the building.
- (k) One (1) abrasive blasting unit using aluminum oxide as the blast media (identified as BLA047), with a maximum process rate of 1,020 pounds of parts per hour, controlled by baghouse BLA047, and venting into the building.
- (l) One (1) surface coating booth (identified as PTB010), with a maximum capacity of 30 torque converters per hour, equipped with High Volume Low Pressure (HVLP) spray guns and using dry filters for overspray control.
- (m) One (1) plastic bead blaster using plastic shot as the blast media (identified as BLA061), approved for construction in 2007, with a maximum abrasive usage of 108 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by baghouse BLA061, and venting inside the building.
- (n) One (1) soda blaster cabinet (identified as BLA062), approved for construction in 2007, with a maximum abrasive usage of 12.5 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by an existing baghouse DUC046, and venting inside the building.
- (o) One (1) plastic bead blaster cabinet (identified as BLA067), approved for construction in 2007, with a maximum abrasive usage of 108 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by an existing baghouse DUC046, and venting inside the building.
- (p) One (1) soda blaster cabinet (identified as BLA035), constructed in 1999, with a maximum abrasive usage of 12.5 pounds of parts per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by a new baghouse DUC020, and venting inside the building.

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

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, including the following:
 - (1) Seven (7) natural gas-fired heaters, with a total maximum heat input rate of 0.8 MMBtu/hr.
 - (2) One (1) natural gas-fired head oven (identified as PEQ047) with a maximum heat input rate of 0.06 MMBtu/hr.
- (b) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment, including the following:
 - (1) Metal Inert Gas (MIG) stations.
 - (2) Stick welding stations.
 - (3) Tungsten Inert Gas (TIG) stations.
 - (4) Three (3) oxyacetylene flame-cutting operations, with a maximum cutting rate of 2 inches per minute.
 - (5) Two (2) plasma cutters.
 - (6) One (1) hub welding station.
- (c) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- (d) Other emission units, not regulated by a NESHAP, with PM₁₀ and SO₂ emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:
 - (1) One (1) open top degreaser used for transmission cases and skids (identified as CLT001), with a maximum capacity of 375 gallons mixture of water and water based solvent.
 - (2) One (1) open top degreaser used for transmission cases and skids (identified as CLT002), with a maximum capacity of 375 gallons mixture of water and water based solvent.
 - (3) One (1) open top degreaser used for aluminum head rinse (identified as CLT011), with a maximum capacity of 175 gallons mixture of water and water based solvent.
 - (4) One (1) open top degreaser used for aluminum timing cover rinse (identified as CLT013), with a maximum capacity of 175 gallons mixture of water and water based solvent.
 - (5) One (1) open top degreaser used for transmission skid wash (identified as CLT032), with a maximum capacity of 800 gallons mixture of water and water based solvent.

- (6) One (1) open top degreaser used for transmission parts hand wash (identified as CLT048), with a maximum capacity of 40 gallons of low VOC solvent (VOC < 5%).
- (7) One (1) open top degreaser used for transmission parts hand wash (identified as CLT051), with a maximum capacity of 40 gallons mixture of water and water based solvent.
- (8) One (1) open top degreaser used for transmission prewash (identified as CLT086), with a maximum capacity of 1,800 gallons mixture of water and water based solvent.
- (9) One (1) open top degreaser used for tumble cleaning of small parts (identified as CLT087), with a maximum capacity of 50 gallons mixture of water and water based solvent.
- (10) One (1) open top degreaser used for engine block prewash (identified as CLT088), with a maximum capacity of 1,000 gallons mixture of water and water based solvent.
- (11) One (1) open top degreaser used for transmission intermediate wash (identified as CLT089), with a maximum capacity of 1,000 gallons mixture of water and water based solvent.
- (12) One (1) open top degreaser used for head prewash (identified as CLT090), with a maximum capacity of 600 gallons mixture of water and water based solvent.
- (13) One (1) open top degreaser used for converter wash (identified as CLT091), with a maximum capacity of 1,000 gallons mixture of water and water based solvent.
- (14) One (1) open top degreaser used for aluminum head wash (identified as CLT092), with a maximum capacity of 175 gallons mixture of water and water based solvent.
- (15) One (1) open top degreaser used for ultrasonic cleaning of small parts (identified as CLT094), with a maximum capacity of 30 gallons mixture of water and water based solvent.
- (16) One (1) open top degreaser used for differential/axle housing wash (identified as CLT096), with a maximum capacity of 375 gallons mixture of water and water based solvent.
- (17) One (1) open top degreaser used for maintenance cleaning (identified as CLT098), with a maximum capacity of 25 gallons mixture of water and water based solvent.
- (18) One (1) open top degreaser used for rinsing axle housings and differentials, (identified as CLT101), with a maximum capacity of 400 gallons mixture of water and water based solvent.
- (19) One (1) open top degreaser used for transmission cases (identified as CLT102), with a maximum capacity of 100 gallons mixture of water and water based solvent.
- (20) One (1) open top degreaser used for small transmission parts (identified as CLT103), with a maximum capacity of 30 gallons mixture of water and water based solvent.

- (21) One (1) open top degreaser used for small transmission parts (identified as CLT104), with a maximum capacity of 30 gallons mixture of water and water based solvent.
- (22) One (1) open top degreaser used for small transmission parts (identified as CLT106), with a maximum capacity of 30 gallons mixture of water and water based solvent.
- (23) One (1) open top degreaser used for transmission parts hand wash (identified as CLT108), with a maximum capacity of 40 gallons low VOC solvent (VOC content less than 5%).
- (24) One (1) open top degreaser used for crank wash (identified as CLT110), with a maximum capacity of 350 gallons mixture of water and water based solvent.
- (25) One (1) open top degreaser used for diesel engine blocks (identified as CLT114), with a maximum capacity of 1,100 gallons mixture of water and water based solvent.
- (26) One (1) open top degreaser used for diesel engine parts (identified as CLT115), with a maximum capacity of 1,100 gallons mixture of water and water based solvent.
- (27) One (1) open top degreaser used for axle and differential cleaning (identified as CLT123), with a maximum capacity of 20 gallons low VOC solvent (VOC < 5%).
- (28) One (1) open top degreaser used for vehicle servicing (identified as CLT127), with a maximum capacity of 25 gallons mixture of water and water based solvent.
- (29) One (1) open top degreaser used for aluminum timing cover wash (identified as ADJ007), with a maximum capacity of 440 gallons mixture of water and water based solvent.
- (30) One (1) open top degreaser used for diesel block final wash (identified as ADJ012), with a maximum capacity of 440 gallons mixture of water and water based solvent.
- (31) One (1) open top degreaser used for aluminum head wash (identified as ADJ014), with a maximum capacity of 440 gallons mixture of water and water based solvent.
- (32) One (1) open top degreaser used for iron and steel small parts wash (identified as ADJ016), with a maximum capacity of 400 gallons mixture of water and water based solvent.
- (33) One (1) open top degreaser used for block final wash 1 (identified as ADJ027), with a maximum capacity of 440 gallons mixture of water and water based solvent.
- (34) One (1) open top degreaser used for block final wash 2 (identified as ADJ028), with a maximum capacity of 440 gallons mixture of water and water based solvent.
- (35) One (1) open top degreaser used for head final wash (identified as ADJ029), with a maximum capacity of 440 gallons mixture of water and water based solvent.
- (36) One (1) open top degreaser used for small parts wash (identified as ADJ030), with a maximum capacity of 440 gallons mixture of water and water based solvent.

- (37) One (1) open top degreaser used for aluminum head wash (identified as ADJ031), with a maximum capacity of 440 gallons mixture of water and water based solvent.
- (38) One (1) open top degreaser used for rinsing crankshafts after polishing (identified as CSP006), with a maximum capacity of 30 gallons mixture of water and water based solvent.
- (39) Twenty-two (22) part washers using water-based liquid detergent cleaners.
- (40) Eight (8) part washers using powdered detergent cleaners.

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) renew a Federally Enforceable State Operating Permit (FESOP).

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

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

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [IC 13]

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

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

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

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

This permit is issued for a fixed term of five (5) years from the original date, 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 2-8-3(f)] [326 IAC 2-8-4(5)(E)] [326 IAC 2-8-5(a)(4)]

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to:

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

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

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 or, for information claimed to be confidential, the Permittee may furnish such records directly to the U. S. EPA along with a claim of confidentiality.[326 IAC 2-8-4(5)(E)]

The Permittee may include a claim of confidentiality in accordance with 326 IAC 17. 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 Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]

(a) The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for:

- (1) Enforcement action;
- (2) Permit termination, revocation and reissuance, or modification; and
- (3) Denial of a permit renewal application.

(b) 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.

(c) An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in condition B, Emergency Provisions.

B.11 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.12 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
Indianapolis, Indiana 46204-2251

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

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

- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
- (2) The compliance status;
- (3) Whether compliance was continuous or intermittent;
- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
- (5) Such other facts as specified in Sections D of this permit, IDEM, OAQ, may require to determine the compliance status of the source.

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

B.13 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

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

B.14 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 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 No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,
Telephone No.: 317-233-0178 (ask for Compliance Section)
Facsimile No.: 317-233-6865

Southwest Regional Office
Telephone No.: 1-888-672-8323 or,
Telephone No.: 812-436-2570
Facsimile No.: 812-436-2572

Failure to notify IDEM, OAQ and Southwest Regional Office, by telephone or facsimile within four (4) daytime business hours after the beginning of the emergency, or after the emergency is discovered or reasonably should have been discovered, shall constitute a violation of 326 IAC 2-8 and any other applicable rules. [326 IAC 2-8-12(f)]

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

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

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

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

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

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

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

contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

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

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.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 Provision), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

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

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

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

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.
- (c) Emergencies shall be included in the Quarterly Deviation and Compliance Monitoring Report.

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

Request for renewal shall be submitted to:

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

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
 - (2) If IDEM, OAQ upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect until the renewal permit has been issued or denied.

- (c) Right to Operate After Application for Renewal [326 IAC 2-8-9]
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as needed to process the application.

B.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 should 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)]

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

- (a) The Permittee may make any change or changes at this source that are described in 326 IAC 2-8-15(b) through (d), without prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- and
- United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590
- in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

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

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

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-8-15(a) and the following additional conditions:
- (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

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

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

B.20 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.21 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2]

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

- (a) Enter upon the Permittee's premises where a 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 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 2-8-11(b)(3)]

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

- (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

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 [326 IAC 6-3-2]

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

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

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall 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) 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. 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(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 Stack Height [326 IAC 1-7]

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

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

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

All required notifications shall be submitted to:

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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The

notifications do not require a certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-4 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) **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 that the inspector be accredited is federally enforceable.

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

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

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

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

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

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

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the source 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. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

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

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

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

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

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

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

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

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.
- (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 68.215]

If a regulated substance, subject to 40 CFR 68, is present at a source in more than a threshold quantity, 40 CFR 68 is an applicable requirement and the Permittee shall submit:

- (a) A compliance schedule for meeting the requirements of 40 CFR 68; or
- (b) As a part of the annual compliance certification submitted under 326 IAC 2-7-6(5), a certification statement that the source is in compliance with all the requirements of 40 CFR 68, including the registration and submission of a Risk Management Plan (RMP).

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

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

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

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

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred 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 documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

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

- (a) Records of all required data, reports and support information 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 kept 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 source 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
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, any quarterly report required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. The 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.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) black beauty sand blasters (identified as BLA020 and BLA021), each with a maximum nozzle flow rate of 1,020 pounds of grit per hour, controlled by baghouses DUC044 and BLA021, respectively, and venting into the building. Baghouse DUC044 is capable of venting to the atmosphere.
- (b) Three (3) steel shot blasters (identified as BLA026, BLA027, and BLA028), each with a maximum process rate of 800 pounds of steel per hour, controlled by baghouses DUC040, DUC044, and DUC029, respectively, and venting into the building.
- (c) One (1) soda blaster cabinets (identified as BLA036), constructed in 1999, with a maximum abrasive usage of 12.5 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by a baghouse DUC046, and venting into the building.
- (h) One (1) plastic pellet blaster (identified as BLA046), with a maximum process rate of 1,020 pounds of parts per hour, controlled by baghouse BLA046, and venting into the building.
- (i) One (1) abrasive blasting unit using steel shot as the blast media (identified as BLA044), with a maximum process rate of 1,020 pounds of parts per hour, controlled by baghouse DUC044, and venting either into the building or to the atmosphere.
- (j) One (1) abrasive blasting unit using coal slag as the blast media (identified as BLA022), with a maximum process rate of 1,020 pounds of parts per hour, controlled by baghouse BLA022, and venting into the building.
- (k) One (1) abrasive blasting unit using aluminum oxide as the blast media (identified as BLA047), with a maximum process rate of 1,020 pounds of parts per hour, controlled by baghouse BLA047, and venting into the building.
- (m) One (1) plastic bead blaster using plastic shot as the blast media (identified as BLA061), approved for construction in 2007, with a maximum abrasive usage of 108 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by baghouse BLA061, and venting inside the building.
- (n) One (1) soda blaster cabinet (identified as BLA062), approved for construction in 2007, with a maximum abrasive usage of 12.5 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by an existing baghouse DUC046, and venting inside the building.
- (o) One (1) plastic bead blaster cabinet (identified as BLA067), approved for construction in 2007, with a maximum abrasive usage of 108 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by an existing baghouse DUC046, and venting inside the building.
- (p) One (1) soda blaster cabinet (identified as BLA035), constructed in 1999, with a maximum abrasive usage of 12.5 pounds of parts per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by a new baghouse DUC020, and venting inside the building.

(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 PM10 Limit [326 IAC 2-8-4]

- (a) Pursuant to FESOP #025-8935-00012, issued March 6, 1998 and revised through this renewal No. 025-15881-00012, issued November 1, 2002, Minor Permit Revision No.

025-24111-00012, and 326 IAC 2-8-4 (FESOP), the allowable PM10 emissions from the baghouses, which are used to control the emissions from the blasters and the soda blast cabinets, shall not exceed the limits listed in the table below. These emission limits are equivalent to a total of 84.1 tons of PM10 emissions per year.

Baghouse ID	Process ID	PM10 Emission Limit (lbs/hour)
BLA021	BLA021	1.24
BLA046	BLA046	1.24
BLA022	BLA022	1.24
DUC040	BLA026	0.50
DUC029	BLA028	0.50
DUC044	BLA020	4.74
	BLA027	
	BLA044	
DUC046	BLA036	7.5
	BLA062	
	BLA067	
BLA047	BLA047	0.50
BLA061	BLA061	1.24
DUC020	BLA035	0.50

- (a) Units BLA022, BLA047, BLA061, BLA062, and DUC020 shall be controlled using particulate air pollution control devices achieving and maintaining a minimum ninety-nine percent (99%) efficiency.
- (b) Visible emissions from units BLA022, BLA047, BLA061, BLA062, and DUC020 shall not exceed 0% opacity.

In conjunction with PM10 limitations in Sections D.2 and D.3, the PM10 emissions from the entire source are limited to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 do not apply.

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

Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emissions from each blaster and soda blast cabinet shall not exceed the pounds per hour rate listed in the table below.

Process ID	Throughput Rate (lbs/hr)	PM Emission Limit (lbs/hr)
BLA044	1,020	2.61
BLA020	1,020	2.61
BLA021	1,020	2.61
BLA022	1,020	2.61
BLA046	1,020	2.61
BLA026	800	2.22
BLA027	800	2.22
BLA028	800	2.22
BLA035	1,200	2.91
BLA036	1,200	2.91
BLA047	1,020	2.61
BLA061	1,200	2.91
BLA062	1,200	2.91
BLA067	1,200	2.91

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

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:

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

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 any control devices.

Compliance Determination Requirements

D.1.4 Particulate and PM10 Emissions

- (a) In order to comply with Conditions D.1.1 and D.1.2, the baghouses used for particulate control shall be in operation and control emissions from the blasters and the soda blast cabinets at all times the blasters and the soda blast cabinets 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 exhaust from all baghouses 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 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 all baghouses at least once per day when an emission unit that it controls is in operation and venting to the atmosphere. When for any one reading, the pressure drop across baghouses is outside the normal range of 0.5 and 8.5 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 Exceedances or Excursions. 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 Exceedances or Excursions, shall be considered a deviation from this permit.

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

D.1.7 Broken or Failed Bag Detection

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

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

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

D.1.8 Record Keeping Requirements

- (a) To document compliance with Condition D.1.5, the Permittee shall maintain records of visible emission notations of the stack exhaust from all baghouses or the reason why no visible emission notations were made.
- (b) To document compliance with Condition D.1.6, the Permittee shall maintain the following operational parameters for all baghouses or the reason why no visible emission notations were made:
 - (1) Once per day records of the pressure drop during normal operation when venting to the atmosphere.
 - (2) Documentation of the dates vents are redirected.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.2

FACILITY OPERATION CONDITIONS

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

- (d) One (1) salt bath cleaning line, with a maximum throughput rate of 16,000 pounds of parts per hour, consisting of the following:
- (1) Two (2) molten salt cleaning tanks (identified as KOL013 and KOL014), each with a maximum capacity of 1,200 gallons and each heated by a 2.5 MMBtu/hr natural gas burner, both controlled by a wet scrubber KOL015.
 - (2) Two (2) acid derust tanks (identified as KOL016 and KOL017), each with a maximum capacity of 1,800 gallons.
 - (3) One (1) acid rinsing tank (identified as KOL018), with a maximum capacity of 1,200 gallons.
 - (4) One (1) alkaline derusting tank (identified as KOL019), with a maximum capacity of 1,200 gallons.
 - (5) One (1) alkaline rinsing tank (identified as KOL020), with a maximum capacity of 1,200 gallons.
 - (6) One (1) quenching tank (identified as KOL021), with a maximum capacity of 1,800 gallons.
 - (7) One (1) hot rinsing tank (identified as KOL022), with a maximum capacity of 1,800 gallons.

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

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

D.2.1 PM10 Limit [326 IAC 2-8]

Pursuant to 326 IAC 2-8-4 (FESOP), the PM10 emissions from the salt bath cleaning line shall not exceed 0.39 pounds per hour. This limit is equivalent to a total of 1.71 tons of PM10 emissions per year from the cleaning process. In conjunction with PM10 limitations in Sections D.1 and D.3, the PM10 emissions from the entire source are limited to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 are not applicable.

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

Pursuant to 326 IAC 6-3-2(e) (Manufacturing Processes), the allowable particulate emissions from the salt cleaning line shall not exceed 16.5 pounds per hour when operating at a process weight rate of 16,000 pounds per hour.

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

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:

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

D.2.3 Particulate and PM10 Emissions

In order to comply with Conditions D.2.1 and D.2.2, scrubber KOL015 shall be in operation at all times that the salt bath cleaning line is in operation.

D.2.4 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 any control devices.

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

D.2.5 Visible Emissions Notations

- (a) Visible emission notations of the scrubber (KOL015) stack exhaust 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 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.2.6 Parametric Monitoring

The Permittee shall monitor and record the pressure drop and flow rate of the scrubber KOL015, at least once per day when the associated salt bath cleaning line is in operation. When for any one reading, the pressure drop across any of the scrubbers is outside the normal range of 32 and 48 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 Exceedances or Excursions. When for any one reading, the flow rate of the scrubber is less than the normal minimum of 165 gallons per minute, or a minimum established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C - Response to Exceedances or Excursions. A pressure reading that is outside the above mention range or a flow rate that is below the above mentioned minimum is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Exceedances or Excursions shall be considered a deviation from this permit.

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

[Note: Based on manufacturer's information, to maintain the manifold pressure in the range of 7.0 to 8.5 psig ensures the minimum flow rate of 165 gallons per minute for the scrubber.]

D.2.7 Failure Detection

In the event that a scrubber malfunction has been observed:

Failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions). 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.2.8 Record Keeping Requirements

- (a) To document compliance with Condition D.2.5, the Permittee shall maintain records of visible emission notations of the scrubber stack exhaust or the reasons why no visible emissions notations were made.
- (b) To document compliance with Condition D.2.6, the Permittee shall maintain records of the following operational parameters for scrubber KOL015 once per day during normal operation:
 - (1) pressure drop; and
 - (2) flow rate.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.3

FACILITY OPERATION CONDITIONS

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

- (e) One (1) surface coating booth (identified as PTB006), constructed in 1999, with a maximum capacity of 145 engines and transmissions per day, equipped with High Volume Low Pressure (HVLP) spray guns and using dry filters for overspray control.
- (l) One (1) surface coating booth (identified as PTB010), with a maximum capacity of 30 torque converters per hour, equipped with High Volume Low Pressure (HVLP) spray guns and using dry filters for overspray control.

(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.3.1 PM10 Limit [326 IAC 2-8-4]

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

- (a) the PM10 emissions from booth PTB006 shall not exceed 0.4 pounds per hour.
- (b) Booth PTB010 shall be controlled using a particulate air pollution control device achieving and maintaining a minimum ninety-nine percent (99%) efficiency.
- (c) Visible emissions from booth PTB010 shall not exceed 0% opacity.

This is equivalent to 1.75 tons per year of PM10 emissions or less from each coating booth. In conjunction with PM10 limitations in Sections D.1 and D.2, the PM10 emissions from the entire source are limited to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 are not applicable.

D.3.2 Particulate [326 IAC 6-3-2 (d)]

Pursuant to 326 IAC 6-3-2(d) and in order to comply with Condition D.3.1, the dry filters for particulate control shall be in operation in accordance with manufacturer's specifications and control emissions at all times when the spray booth that it controls is in operation.

D.3.3 Volatile Organic Compounds [326 IAC 8-2-9]

- (a) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), no owner or operator of a facility engaged in the surface coating of miscellaneous metal parts or products may cause, allow, or permit the discharge into the atmosphere of any volatile organic compounds in excess of three and five tenths (3.5) pounds of VOC per gallon of extreme high performance coating excluding water, delivered to a coating applicator.
- (b) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), solvent sprayed from the application equipment during clean up or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.3.4 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 devices.

Compliance Determination Requirements

D.3.5 VOC Emissions

Compliance with the VOC content limitation contained in Conditions D.3.2(a) shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

SECTION D.4

FACILITY OPERATION CONDITIONS

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

- (f) Two (2) natural gas-fired boilers, each with a maximum heat input capacity of 17 million British thermal units (MMBtu) per hour, constructed after 1990, and exhausting to stacks FEQ016 and FEQ017, respectively.
- (g) Four (4) natural gas-fired internal combustion engines, each with a maximum rate of 0.725 MMBtu/hr.

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

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

D.4.1 Particulate [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1 (b)), the particulate emissions from each 17 MMBtu/hr boiler shall not exceed 0.44 pounds per MMBtu input.

This limitation is based on the following equation:

$$P_t = \frac{1.09}{Q^{0.26}} \quad \text{Where } P_t = \text{emission rate limit (lbs/MMBtu)}$$

$Q = \text{total source heat input capacity (MMBtu/hr)}$

D.4.2 General Provisions Relating to NSPS [326 IAC 12-1][40 CFR Part 60, Subpart A]

The provisions of 40 CFR Part 60, Subpart A - General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to these boilers except when otherwise specified in 40 CFR Part 60, Subpart Dc.

D.4.3 Particulate Matter and Sulfur Dioxide [40 CFR 60, Subpart Dc][326 IAC 12-1]

These two boilers are subject to 40 CFR 60, Subpart Dc (New Source Performance Standards for Small Industrial - Commercial - Institutional Steam Generation Units). However, there are no applicable emission limitations, only record keeping requirements as described in Condition D.4.5.

D.4.4 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.

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

D.4.5 Record Keeping Requirements [40 CFR 60, Subpart Dc]

- (a) Pursuant to 40 CFR 60.48(c)(g), the Permittee shall maintain daily fuel usage records to demonstrate compliance with Condition D.4.3.
- (b) Pursuant to 40 CFR 60.48(c)(i), all records required in item (a) shall be maintained by the owner or operator of the affected facilities for a period of two (2) years following the date of such record.

SECTION D.5

FACILITY OPERATION CONDITIONS

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

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

- (1) Metal Inert Gas (MIG) stations.
- (2) Stick welding stations.
- (3) Tungsten Inert Gas (TIG) stations.
- (6) One (1) hub welding station.

(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.5.1 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e) (Particulate Emissions Limitations for Manufacturing Processes), the allowable particulate emissions from each of the welding processes shall not exceed the allowable emission rate based on the following equation:

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:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

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

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

Source Name: Jasper Engine Exchange, Inc.
Source Address: 6400 East Industrial Lane, Leavenworth, Indiana 47137
Mailing Address: P.O. Box 650, Jasper, Indiana 47547
FESOP No.: 025-15881-00012

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

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

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

Source Name: Jasper Engine Exchange, Inc.
Source Address: 6400 East Industrial Lane, Leavenworth, Indiana 47137
Mailing Address: P.O. Box 650, Jasper, Indiana 47547
FESOP No.: 025-15881-00012

This form consists of 2 pages

Page 1 of 2

9 This is an emergency as defined in 326 IAC 2-7-1(12)
CThe 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
CThe Permittee must submit notice in writing or by facsimile within two (2) 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: _____

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: Jasper Engine Exchange, Inc.
Source Address: 6400 East Industrial Lane, Leavenworth, Indiana 47137
Mailing Address: P.O. Box 650, Jasper, Indiana 47547
FESOP No.: 025-15881-00012

Months: _____ to _____ Year: _____

Page 1 of 2

<p>This report is an affirmation that the source has met all the requirements stated in this permit. 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>	
<p><input checked="" type="radio"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.</p>	
<p><input checked="" type="radio"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	
<p>Permit Requirement (specify permit condition #)</p>	
<p>Date of Deviation:</p>	<p>Duration of Deviation:</p>
<p>Number of Deviations:</p>	
<p>Probable Cause of Deviation:</p>	
<p>Response Steps Taken:</p>	

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

Technical Support Document (TSD) for a Minor Permit Revision to a Federally Enforceable State Operating Permit (FESOP)

Source Background and Description

Source Name:	Jasper Engine Exchange, Inc.
Source Location:	6400 East Industrial Lane, Leavenworth, Indiana 47137
County:	Crawford
SIC Code:	3714
Operation Permit Renewal No.:	F025-15881-00012
Operation Permit Renewal Issuance Date:	November 1, 2002
Minor Permit Revision No.:	F025-24111-00012
Permit Reviewer:	ERG/SD

The Office of Air Quality (OAQ) has reviewed a revision application Jasper Engine Exchange, Inc. relating to the operation of a stationary plant that remanufactures old worn out vehicle engines, transmissions, etc.

History

On December 22, 2006, Jasper Engine Exchange, Inc. submitted an application to IDEM, OAQ requesting approval to modify the existing stationary plant to add, remove, and re-locate units related to the remanufacturing of old worn out vehicle engines, transmissions, etc. as described below.

IDEM, OAQ has determined to revise the current FESOP for Jasper Engine Exchange, Inc. permit No.: 025-15881-00012, issued November 1, 2002, pursuant to 326 IAC 2-8-11.1(d)(5)(C)- Minor Permit Revision.

Description of Revision

The Permittee requested to construct, remove, and re-locate the following emission units at the source.

1. Addition of one (1) plastic bead blaster (identified as BLA061), controlled by baghouse BLA061, and venting inside the building.
2. Addition of one (1) soda blaster (identified as BLA062), controlled by an existing baghouse DUC046, and venting inside the building.
3. Addition of one (1) plastic bead blaster (identified as BLA067), controlled by an existing baghouse DUC046, and venting inside the building.
4. Re-directing emissions from one (1) existing soda blaster cabinet (identified as BLA035) to a new baghouse DUC020, and venting inside the building.
5. Replacement of baghouse DUC041 with a new baghouse DUC029. The baghouse DUC029 will control emissions from an existing steel shot blaster BLA028, and vent inside the building.
6. Replacement of the abrasive shot blasting unit using steel shot as the blast media

identified as BLA002 with a similar unit identified as BLA044.

7. Revising the pressure drop for baghouse DUC044 from 0.5-5.0 to 0.5-8.5 because the latter range reflects the normal reading range suggested by the manufacturer of the control unit.
8. Permanent removal of one (1) natural gas-fired transmission dyno (identified as DYN010) with a maximum heat input rate of 0.84 MMBtu per hour, currently listed under Section A.3 - Insignificant Activities. There are no applicable rules included in the permit for this unit. Therefore, there are no changes in Section D as a result of this revision.
9. Permanent removal of two (2) machining operations (crankshaft grinding), identified as CSG015 and CSG016, currently listed under Section A.3 - Insignificant Activities. There are no applicable rules included in the permit for these units. Therefore, there are no changes in Section D as a result of this revision.
10. To revise the equipment and baghouse ID of existing one (1) plastic pellet blaster from BLA04 to BLA046. There is no physical modification to the blaster or the baghouse.

Existing Approvals

The source was issued a FESOP Renewal No. 025-15881-00012, on November 1, 2002. The source has since received the following approvals:

- (a) First Administrative Amendment No. 025-19036-00012, issued June 18, 2004.
- (b) First Minor Permit Revision No. 025-20288-00012, issued December 15, 2004.
- (c) Second Administrative Amendment No. 025-19879-00012, issued December 21, 2004.
- (d) Third Administrative Amendment No. 025-22576-00012, issued February 8, 2006.
- (d) First Significant Permit Revision No.: 025-22253-00012, issued April 4, 2006.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

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

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

An application for the purposes of this review was received on December 22, 2006.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (pages 1 through 2).

Potential To Emit of the Revision

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material

combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

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

Pollutant	Potential to Emit (tons/year)
PM	238
PM10	238
SO ₂	0.0
VOC	0.0
CO	0.0
NO _x	0.0

Note: for the purpose of determining Title V applicability for particulates, PM10, not PM is the regulated pollutant in consideration

There are no HAP emissions for this modification.

Justification for Permit Revision

The FESOP Renewal is being modified through a FESOP Minor Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(d)(5)(C) because the PM10 is limited to less than twenty-five (25) tons per year using a particulate air pollution control device (baghouse) as follows:

- (a) Achieving and maintaining 99% efficiency;
- (b) Complying with a no visible emissions standards;
- (c) The potential to emit before air pollution control does not exceed major source thresholds for federal permitting programs; and
- (d) Certifying to the commissioner that the air pollution control device supplier guarantees that a specific outlets concentration, in conjunction with the design air flow, that results in actual emissions less than twenty-five (25) tons of PM or fifteen (15) tons of PM10 per year.

Note: The new and modified units have PM10 limits pursuant to 326 IAC 2-8 (FESOP). Compliance with these limits will render the requirements of 326 IAC 2-2 (PSD) not applicable for PM10.

Potential to Emit After Revision

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units. The control equipment is considered federally enforceable only after issuance of this permit revision.

Process/Facility	Potential to Emit After Issuance (tons/year)						
	PM	PM10	SO ₂	VOC	CO	NO _x	HAPs
Six (6) Shot blasters	Less than 68.9 84.1	Less than 68.9 84.1	0	0	0	0	0
Two (2) soda cabinets			0	0	0	0	0
*Salt bath cleaning line	Less than 1.71	Less than 1.71	0.04	1.05 9.25	1.84	2.19	Negligible
Two (2) 2.5 MMBtu/hr NG-fired Burners	0.17	0.17	0.01	0.12	1.84	2.19	
One (1) coating booth (PTB006)	1.75	1.75	0	1.56	0	0	1.48
One (1) coating booth (PTB010)	1.75	1.75	0	1.04	0	0	0.23
Two (2) NG-fired boilers	1.13	1.13	0.09	0.82	12.5	14.9	Negligible
Four (4) NG-fired engines	0.13	0.13	Negligible 0.01	0.38	47.3	28.1	Negligible
Welding operations (insignificant)	4.40	4.40	0	0	0	0	0.07
Degreasing operations (insignificant)	0	0	0	0.52	0	0	Negligible
Insignificant Combustion Activities	0.14	0.14	0.01	1.68	7.94	12.03	Negligible
	0.03	0.20	0.02	0.15	2.24	2.66	
Total Emissions	Less than 78.95.2 78.95.2	Less than 78.95.3 78.95.3	0.14 0.13	4.34 13.8	61.9 63.8	45.5 47.8	3.04 1.78

*VOC Emissions for the salt bath cleaning line were listed incorrectly in the TSD for FESOP No. 15881, and have been updated as shown above. The methodology remains the same as in the original permit.

This revision only affects the shot blasters. Other items in bold are not being revised. The Potential to Emit After Issuance was updated to incorporate the subsequent approvals after the FESOP Renewal No. 025-15881-00012, issued November 1, 2002.

After making the proposed changes in this minor permit revision to FESOP Renewal No. 025-15881-00012 (see Description of Revision section), the potential to emit of the criteria pollutants from the entire source will continue to be limited to less than the Title V major source thresholds. Therefore, the requirements of 326 IAC 2-7 do not apply to this source.

County Attainment Status

The source is located Crawford County.

Pollutant	Status
PM10	Attainment
PM2.5	Attainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

(a) Crawford County has been classified as unclassifiable or attainment for PM2.5. U.S. EPA

has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM 2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as surrogate for PM2.5 emissions. See the State Rule Applicability - Entire Source section.

- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) emissions are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Crawford County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section.
- (c) Crawford County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability - Entire Source section.
- (d) Fugitive Emissions
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) included in this revision for this source.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 40 CFR Part 63) included in this revision for this source.

State Rule Applicability - Entire Source

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

This source, including this revision, is not subject to the provisions 326 IAC 2-4.1-1 (New Source Toxics Control). It does not have potential to emit of HAP equal to greater than ten (10) tons per year or combination of HAPS equal to or greater than twenty-five (25) tons per year.

326 IAC 2-2 (Prevention of Significant Deterioration)

This existing source is not a major source under the provisions of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) because no attainment regulated pollutant has the potential to emit equal to or greater than 250 tons per year, and the source is not in 1 of the 28 listed source categories. This revision is not a major modification for Prevention of Significant Deterioration (PSD) because the increase in potential to emit of every attainment pollutant is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

326 IAC 2-6 (Emission Reporting)

This source is located in Crawford county and has a valid FESOP. Therefore, it does not require a Part 70 Permit under 326 IAC 2-7 and has potential to emit of lead (Pb) less than five (5) tons per year. Therefore, this source is not subject to annual or triennial reporting. However, pursuant to 326 IAC 2-6-1 (b), this source is subject to additional information requests as provided in 326 IAC 2-6-5.

326 IAC 2-8-4 (FESOP)

On December 22, 2006, Jasper Engine Exchange, Inc. submitted an application to IDEM, OAQ requesting approval to modify the existing stationary plant to add, remove, and re-locate units related to the remanufacturing of old worn out vehicle engines, transmissions, etc. These revisions are described under the Description of Revision section of this TSD. The Permittee was issued a FESOP Renewal No.: 025-15881-00012 on November 1, 2002 which limited the potential to emit of PM10 emissions from the entire facility to less than 100 tons per year. The Permittee will continue to comply with the provisions of 326 IAC 2-8 (FESOP) as shown:

The potential to emit of PM10 emissions from the baghouses used to control the emissions from the shot blaster cabinets shall not exceed the limits listed in the table below:

Baghouse ID	Process ID	PM10 Emission Limit (lbs/hour)
BLA021	BLA021	1.24
BLA046	BLA046	1.24
BLA022	BLA022	1.24
DUC040	BLA026	0.50
DUC044 DUC029	BLA028	0.50
DUC044	BLA020	4.74
	BLA027	
	BLA002 BLA044	
DUC046	BLA035	7.5
	BLA036	
	BLA062	
	BLA067	
BLA047	BLA047	0.50
BLA061	BLA061	1.24
DUC020	BLA035	0.50

These emission limits are equivalent to a total of 80.9 tons of PM10 per year. The use of the baghouses with control efficiencies of 99% are required to comply with these limits.

Combined with the PM10 emissions from the boilers, the natural gas-fired engines, surface coating facilities, and the insignificant activities, the PM10 emissions from the entire source are less than 100 tons per year. Therefore, the provisions of 326 IAC 2-7 do not apply.

326 IAC 5-1 (Opacity Limitations)

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

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 described in the existing permit attached with this Minor Permit Revision No. 025-24111-00012.

Proposed Changes

The following changes have been made to the permit. The permit is revised as follows with deleted language as ~~strikeouts~~ and new language **bolded**. The Table of Contents has been updated as necessary.

1. IDEM, OAQ has decided to remove the information regarding the Authorized Individual from Section A.1 of the permit. Listing the name and/or title in the permit has resulted in unnecessary administrative amendments in the past. Therefore, IDEM, OAQ does not consider it beneficial to maintain or update this information in permits. IDEM, OAQ will continue to retain this information up-to-date in their permit tracking system.

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

The Permittee owns and operates a stationary plant that remanufactures old worn out vehicle engines, transmissions, etc.

Authorized individual: ~~_____~~ Vice President

...

2. IDEM, OAQ telephone and fax numbers were updated as shown:

Telephone: 317-233-~~5674~~**0178**

Fax: 317-233-~~5967~~**6865**

3. The Permittee indicated the addition, removal, and relocation of emission/process units as revised in Sections A.2 and A.3 below. Sections D.1 was revised as shown. Emission units listed under D.6 are now included in Section D.1. Therefore, Section D.6 was deleted. The Permittee requested to revise the pressure drop under Condition D.1.6 from a range of 0.5-5.0 to a range of 0.5 -8.5 because the latter range reflects the normal reading range suggested by the manufacturer of the control unit.

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:

...

- (b) Three (3) steel shot blasters (identified as BLA026, BLA027, and BLA028), each with a maximum process rate of 800 pounds of steel per hour, controlled by baghouses DUC040, DUC044, and ~~DUC044~~ **DUC029**, respectively, and venting into the building.

- (c) ~~Two (2)~~ **One (1)** soda blaster cabinets (identified as ~~BLA035~~ and BLA036), constructed in 1999, ~~each~~ with a maximum abrasive usage of 12.5 pounds per hour and a maximum

process rate of ~~4,020~~ **1,200** pounds of parts per hour, ~~both~~ controlled by a baghouse DUC046, and venting into the building.

...

- (h) One (1) plastic pellet blaster (identified as BLA046), **with a maximum process rate of 1,020 pounds of parts per hour**, controlled by baghouse BLA046, and venting into the building.
- (i) One (1) abrasive blasting unit using steel shot as the blast media (identified as ~~BLA002~~ **BLA044**), **with a maximum process rate of 1,020 pounds of parts per hour**, controlled by baghouse DUC044, and venting either into the building or to the atmosphere.
- (j) One (1) abrasive blasting unit using coal slag as the blast media (identified as BLA022), **with a maximum process rate of 1,020 pounds of parts per hour**, controlled by baghouse BLA022, and venting into the building.
- (k) One (1) abrasive blasting unit using aluminum oxide as the blast media (identified as BLA047), **with a maximum process rate of 1,020 pounds of parts per hour**, controlled by baghouse BLA047, and venting into the building.
- ...
- (m) **One (1) plastic bead blaster using plastic shot as the blast media (identified as BLA061), approved for construction in 2007, with a maximum abrasive usage of 108 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by baghouse BLA061, and venting inside the building.**
- (n) **One (1) soda blaster cabinet (identified as BLA062), approved for construction in 2007, with a maximum abrasive usage of 12.5 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by an existing baghouse DUC046, and venting inside the building.**
- (o) **One (1) plastic bead blaster cabinet (identified as BLA067), approved for construction in 2007, with a maximum abrasive usage of 108 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by an existing baghouse DUC046, and venting inside the building.**
- (p) **One (1) soda blaster cabinet (identified as BLA035), constructed in 1999, with a maximum abrasive usage of 12.5 pounds of parts per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by a new baghouse DUC020, and venting inside the building.**

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, including the following:
 - (1) Seven (7) natural gas-fired heaters, with a total maximum heat input rate of 0.8 MMBtu/hr.
 - (2) One (1) natural gas-fired head oven (identified as PEQ047) with a maximum heat input rate of 0.06 MMBtu/hr.
 - ~~(3) One (1) natural gas-fired transmission dyno (identified as DYN010) with a maximum heat input rate of 0.84 MMBtu/hr.~~

...

- ~~(c)~~ — Machining where an aqueous cutting coolant continuously floods the machining interface, including two (2) machining operations (crankshaft grinding) (identified as CSG015 and CSG016), each with a maximum capacity of 30 gallons.
- ~~(d)~~(c) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- ~~(e)~~(d) Other emission units, not regulated by a NESHAP, with PM₁₀ and SO₂ emissions less than five (5) pounds per hour or twenty-five (25) pounds per day, CO emissions less than twenty-five (25) pounds per day, lead emissions less than six-tenths (0.6) tons per year or three and twenty-nine (3.29) pounds per day, and emitting greater than one (1) pound per day but less than five (5) pounds per day or one (1) ton per year of a single HAP, or emitting greater than one (1) pound per day but less than twelve and five tenths (12.5) pounds per day or two and five tenths (2.5) ton per year of any combination of HAPs:

...

SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) Two (2) black beauty sand blasters (identified as BLA020 and BLA021), each with a maximum nozzle flow rate of 1,020 pounds of grit per hour, controlled by baghouses DUC044 and BLA021, respectively, and venting into the building. Baghouse DUC044 is capable of venting to the atmosphere.
- (b) Three (3) steel shot blasters (identified as BLA026, BLA027, and BLA028), each with a maximum process rate of 800 pounds of steel per hour, controlled by baghouses DUC040, DUC044, and ~~DUC044~~ **DUC029**, respectively, and venting into the building.
- (c) ~~Two (2)~~ **One (1)** soda blaster cabinets (identified as ~~BLA035~~ and BLA036), constructed in 1999, each with a maximum abrasive usage of 12.5 pounds per hour and a maximum process rate of ~~1,020~~ **1,200** pounds of parts per hour, ~~both~~ controlled by a baghouse DUC046, and venting into the building.
- (h) One (1) plastic pellet blaster (identified as BLA046), **with a maximum process rate of 1,020 pounds of parts per hour**, controlled by baghouse BLA046, and venting into the building.
- (i) One (1) abrasive blasting unit using steel shot as the blast media (identified as ~~BLA002~~ **BLA044**), **with a maximum process rate of 1,020 pounds of parts per hour**, controlled by baghouse DUC044, and venting either into the building or to the atmosphere.
- (j) One (1) abrasive blasting unit using coal slag as the blast media (identified as BLA022), **with a maximum process rate of 1,020 pounds of parts per hour**, controlled by baghouse BLA022, and venting into the building.
- (k) One (1) abrasive blasting unit using aluminum oxide as the blast media (identified as BLA047), **with a maximum process rate of 1,020 pounds of parts per hour**, controlled by baghouse BLA047, and venting into the building.
- (m) **One (1) plastic bead blaster using plastic shot as the blast media (identified as BLA061), approved for construction in 2007, with a maximum abrasive usage of 108 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by baghouse BLA061, and venting inside the building.**
- (n) **One (1) soda blaster cabinet (identified as BLA062), approved for construction in 2007, with a maximum abrasive usage of 12.5 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by an existing baghouse DUC046, and venting inside the building.**

- (o) **One (1) plastic bead blaster cabinet (identified as BLA067), approved for construction in 2007, with a maximum abrasive usage of 108 pounds per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by an existing baghouse DUC046, and venting inside the building.**
- (p) **One (1) soda blaster cabinet (identified as BLA035), constructed in 1999, with a maximum abrasive usage of 12.5 pounds of parts per hour and a maximum process rate of 1,200 pounds of parts per hour, controlled by a new baghouse DUC020, and venting inside the building.**

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

D.1.1 PM10 Limit [326 IAC 2-8-4]

- (a) Pursuant to FESOP #025-8935-00012, issued March 6, 1998 and revised through renewal **No. 025-15881-00012, issued November 1, 2002, Minor Permit Revision No. 025-24111-00012**, and 326 IAC 2-8-4 (FESOP), the allowable PM10 emissions from the baghouses, which are used to control the emissions from the blasters and the soda blast cabinets, shall not exceed the limits listed in the table below. These emission limits are equivalent to a total of ~~68.9~~ **84.1** tons of PM10 emissions per year.

Baghouse ID	Process ID	PM10 Emission Limit (lbs/hour)
BLA021	BLA021	1.24
BLA046	BLA046	1.24
BLA022	BLA022	1.24
DUC040	BLA026	0.50
DUC044 DUC029	BLA028	0.50
DUC044	BLA020	4.74
	BLA027	
	BLA002 BLA044	
DUC046	BLA035	7.5
	BLA036	
	BLA062	
	BLA067	
BLA047	BLA047	0.50
BLA061	BLA061	1.24
DUC020	BLA035	0.50

- (a) Units BLA022, ~~and~~ BLA047, **BLA061, BLA062, and DUC020** shall be controlled using particulate air pollution control devices achieving and maintaining a minimum ninety-nine percent (99%) efficiency.
- (b) Visible emissions from units BLA022, ~~and~~ BLA047, **BLA061, BLA062, and DUC020** shall not exceed 0% opacity.

In conjunction with PM10 limitations in Sections D.2 and D.3, the PM10 emissions from the entire source are limited to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 ~~are do not applicable~~ **apply**.

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

Pursuant to 326 IAC 6-3-2(e) (~~Manufacturing Processes~~ **Particulate Emission Limitations for Manufacturing Processes**), the allowable particulate emissions from each blaster and soda blast cabinet shall not exceed the pounds per hour rate listed in the table below.

Process ID	Throughput Rate (lbs/hr)	PM Emission Limit (lbs/hr)
BLA002 BLA044	1,020	2.61
BLA020	1,020	2.61
BLA021	1,020	2.61
BLA022	1,020	2.61
BLA046	1,020	2.61
BLA026	800	2.22
BLA027	800	2.22
BLA028	800	2.22
BLA035	1,020 1,200	2.61 2.91
BLA036	1,020 1,200	2.61 2.91
BLA047	1,020	2.61
BLA061	1,200	2.91
BLA062	1,200	2.91
BLA067	1,200	2.91

...

D.1.5 Visible Emissions Notations

- (a) Visible emission notations of the stack exhaust from **all** baghouses ~~#DUC044~~ 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.

...

D.1.6 Parametric Monitoring

The Permittee shall record the pressure drop across **all** baghouses ~~#DUC044~~, at least once per day when an emission unit that it controls is in operation and venting to the atmosphere. When for any one reading, the pressure drop across ~~Baghouse #DUC044~~ **baghouses** is outside the normal range of 0.5 and ~~5.0~~ **8.5** 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 Exceedances or Excursions. 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 Exceedances or Excursions, shall be considered a deviation from this permit.

...

D.1.8 Record Keeping Requirements

- (a) To document compliance with Condition D.1.5, the Permittee shall maintain records of visible emission notations of the stack exhaust from **all** baghouses ~~DUC044~~ **when venting to the atmosphere or the reason why no visible emission notations were made.**
- (b) To document compliance with Condition D.1.6, the Permittee shall maintain the following operational parameters for **all** baghouses ~~DUC044~~ **when venting to the atmosphere or the reason why no visible emission notations were made:**

...

D.2.8 Record Keeping Requirements

- (a) To document compliance with Condition D.2.5, the Permittee shall maintain records of visible emission notations of the scrubber stack exhaust ~~when venting to the atmosphere~~ **or the reasons why no visible emission notations were made.**

...
SECTION D.6 FACILITY OPERATION CONDITIONS

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

- (i) ~~One (1) abrasive blasting unit using steel shot as the blast media (identified as BLA002), controlled by baghouse DUC044, and venting either into the building or to the atmosphere.~~
- (j) ~~One (1) abrasive blasting unit using coal slag as the blast media (identified as BLA022), controlled by baghouse BLA022, and venting into the building.~~
- (k) ~~One (1) abrasive blasting unit using aluminum oxide as the blast media (identified as BLA047), controlled by baghouse BLA047, and venting into the building.~~

~~Baghouse DUC044 is shared with emission units listed in Section D.1 of this permit.~~

~~(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.6.1 PM10 Limit [326 IAC 2-8-4]

- ~~(a) Baghouse DUC044 shall comply with the PM10 emission limit stated in Section D.1 of this permit.~~
- ~~(b) Units BLA022 and BLA047 shall be controlled using particulate air pollution control devices achieving and maintaining a minimum ninety-nine percent (99%) efficiency.~~
- ~~(c) Visible emissions from units BLA022 and BLA047 shall not exceed 0% opacity.~~

D.6.2 Particulate [326 IAC 6-3-2]

~~Pursuant to 326 IAC 6-3-2(e) (Particulate Emissions Limitations for Manufacturing Processes), the allowable particulate emissions from each abrasive blasting unit shall not exceed the pounds per hour rate given by the following equation for process weight rates up to sixty thousand (60,000) pounds per hour:~~

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

D.6.3 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 devices.~~

Compliance Determination Requirements

D.6.4 Particulate and PM10 Emissions

- ~~(a) In order to comply with Conditions D.7.1 and D.7.2, the particulate control devices shall be in operation at all times when an emission unit that it controls is 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.6.5 Visible Emissions Notations~~

~~Baghouse DUC044 shall comply with the visible emission requirements listed in Section D.1 of this permit.~~

~~D.6.6 Parametric Monitoring~~

~~Baghouse DUC044 shall comply with the parametric monitoring requirements listed in Section D.1 of this permit.~~

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

~~D.6.7 Record Keeping Requirements~~

~~Baghouse DUC044 shall comply with the record keeping requirements listed in Section D.1 of this permit.~~

Conclusion

This FESOP shall be subject to the conditions of the attached proposed Minor Permit Revision No. 025-24111-00012.

Appendix A: Emission Calculations
Particulate Emissions From Shot Blasters

Company Name: Jasper Engine Exchange, Inc.
Address: 6400 East Industrial Lane, Leavenworth, IN 47137
MPR: 025-24111-00012
Reviewer: ERG/SD
Date: February 7, 2007

Process/Emission Units	Control ID	Max. Throughput Rate (lbs/hour)	** Emission Factor PM (lb/ton)	** Emission Factor PM10 (lb/ton)	PTE of PM Before Control (tons/year)	PTE of PM10 Before Control (tons/year)	Control Efficiency (%)	PTE of PM After Control (tons/year)	PTE of PM10 After Control (tons/year)
* Plastic Bead Blaster Machine BLA061	BLA061	1200	17	1.7	44.7	4.47	99%	0.45	0.04
* Soda Blaster Cabinet BLA062	DUC046	1200			44.7	4.47	99%	0.45	0.04
* Soda Blaster Cabinet BLA067	DUC046	1200			44.7	4.47	99%	0.45	0.04
Soda Blaster Cabinet BLA035	* DUC020	1200			44.7	4.47	99%	0.45	0.04
Steel Shot Blaster BLA028	* DUC029	800			29.8	2.98	99%	0.30	0.03
* Abrasive Blasting Unit BLA044	DUC044	800			29.8	2.98	99%	0.30	0.03
					238	23.8		2.38	0.24

* New process units/ control equipment

** Emission factors for PM and PM10 are from FIRE SCC # 3-04-003-40

METHODOLOGY

PTE of PM/PM10 Before Controls (tons/year) = Max. Process Rate (lbs/hour) * Emission Factor PM/PM10 (lbs/ton) * 1 ton/2000 lbs * 8760 hours/year * 1 ton/2000 lbs

PTE of PM/PM10 After Controls (tons/year) = Max. Process Rate (lbs/hour) * Emission Factor PM/PM10 (lbs/ton) * 1 ton/2000 lbs * 8760 hours/year * 1 ton/2000 lbs * (1 - Control Efficiency %)

**Appendix A: Emission Calculations
Emissions Summary**

Company Name: Jasper Engine Exchange, Inc.
Address: 6400 East Industrial Lane, Leavenworth, IN 47137
MPR: 025-24111-00012
Reviewer: ERG/SD
Date: February 7, 2007

Limited Potential To Emit Pursuant to the Provisions of 326 IAC 2-8 (FESOP)

Control ID	Blasters Units	PM	PM10	SO ₂	NOx	VOC	CO	HAPs
BLA021	BLA021	5.43	5.43					
BLA04	BLA04	5.43	5.43					
DUC040	BLA026	2.19	2.19					
* DUC04429	BLA028	2.19	2.19					
DUC044	BLA020, BLA027, BLA002, * BLA044	20.8	20.8					
DUC046	BLA035, BLA036, * BLA062, * BLA067	32.9	32.9					
* BLA061	* BLA061	5.43	5.43					
BLA022	BLA022	5.43	5.43					
BLA047	BLA047	2.19	2.19					
DUC020	BLA035	2.19	2.19					
	Other Existing Units at the Source							
	Salt Bath Cleaning Process	1.71	1.71			9.25		
	Two (2) 2.5 MMBtu/hr NG-fired Burners	0.17	0.17	0.01	2.19	0.12	1.84	
	Surface Coating Booth PTB006	1.75	1.75			1.56		1.48
	Surface Coating Booth PTB010	1.75	1.75			1.04		0.23
	Two (2) 17 MMBtu/hr NG-fired Boilers	1.13	1.13	0.09	14.9	0.82	12.5	
	Four (4) 0.725 MMBtu/hr NG-fired Engines	0.13	0.13	0.01	28.1	0.38	47.3	
	Welding	4.40	4.40					0.07
	Degreasers					0.52		
	Insignificant Combustion Activities	0.03	0.20	0.02	2.66	0.15	2.24	
	TOTAL	95.2	95.3	0.13	47.8	13.8	63.8	1.78

The limited potential to emit pursuant to 326 IAC 2-8 (FESOP) are from the current FESOP Renewal No.: 025-15881-00012, issued November 1, 2002, except for new blaster identified as BLA061 controlled by new baghouse, also identified as BLA061.