

**FEDERALLY ENFORCEABLE STATE
OPERATING PERMIT (FESOP)
and ENHANCED NEW SOURCE REVIEW (ENSR)**
OFFICE OF AIR MANAGEMENT

**Jasper Engine Exchange, Inc.
6400 East Industrial Lane
English, Indiana 47118**

(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 and 326 IAC 2-1-3.2, 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.: F025-8935-00012	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Management	Issuance Date:

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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 Management (OAM), and 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.

Responsible Official: Michael Schwenk
Source Address: 6400 East Industrial Lane, English, Indiana 47118
Mailing Address: P. O. Box 650, Jasper, Indiana 47547
SIC Code: 3714
County Location: Crawford
County Status: Attainment for all criteria pollutants
Source Status: Federally Enforceable State Operating Permit (FESOP)
Minor Source, under PSD

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:

- (1) Two (2) natural gas-fired boilers, each has a heat input rate of 17 million British Thermal Units (mmBtu/hr),
- (2) Six (6) black beauty abrasive shot blasters, identified as BLA020 through BLA026 each has a nozzle flow rate of 1,020 pounds per hour (lb/hr). Each shot blaster is controlled by a baghouse, with the same ID as the shot blasters,
- (3) Four (4) steel shot blasters, identified as BLA026 through BLA029 each with a blast rate of 800 pounds per hour. Shot blaster BLA026 is controlled by baghouse DUC040, shot blaster BLA027 is controlled by baghouse DUC041, shot blaster BLA028 is controlled by baghouse DUC042, and shot blaster BLA029 is controlled by baghouse DUC043, and
- (4) Molten salt bath cleaning line, which consists of the following eight (8) tanks:
 - (a) Tank KOL013, with a capacity of 1,200 gallons, using molten salt for cleaning. This tank is heated by a 2.5 mmBtu/hr natural gas burner,
 - (b) Tank KOL014, with a capacity of 1,200 gallons, using molten salt for cleaning. This tank is heated by a 2.5 mmBtu/hr natural gas burner,
 - (c) Tank KOL021, with a capacity of 1,800 gallons is used for quenching,
 - (d) Tank KOL022 with a capacity of 1,800 gallons is used for hot rinsing,
 - (e) Tanks KOL016 and KOL017, each has a capacity of 1,200 gallons and are used for acid derust,
 - (f) Tank KOL018 with a capacity of 1,200 is used for acid rinsing,
 - (g) Tank KOL019 with a capacity of 1,200 is used for alkaline derusting, and
 - (h) Tank KOL20 with a capacity of 1,200 is used for alkaline rinsing.

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

This stationary source does not currently have any insignificant activities, as defined in 326 IAC 2-7-1(21).

- (1) Seven (7) natural gas-fired heaters, with a total heat input rate of 0.8 mmBtu/hr,

- (2) Four (4) natural gas-fired internal combustion engines, each with a heat input rate of 0.725 mmBtu/hr,
- (3) Two (2) Metal Inert Gas (MIG) stations, each has a maximum throughput of 9 lb/hr,
- (4) Four (4) stick welding stations, each with a maximum throughput of 1.6 lb/hr,
- (5) An Oxyacetylene flame-cutting operation, which has a cutting rate of 2 inches per minute,
- (6) One (1) engine skid wash, identified as CLT002, with a capacity of 375 gallons mixture of water and water based solvent,
- (7) One (1) open top degreaser, for transmission skid wash, identified as CLT032, with a capacity of 800 gallons mixture of water and water based solvent,
- (8) One (1) open top degreaser, for iron and steel small parts wash, identified as CLT040, with a capacity of 400 gallons mixture of water and water based solvent,
- (9) One (1) open top degreaser, for transmission prewash, identified as CLT086, with a capacity of 1800 gallons mixture of water and water based solvent,
- (10) One (1) open top degreaser, for engine block prewash, identified as CLT088, with a capacity of 1000 gallons mixture of water and water based solvent,
- (11) One (1) open top degreaser, for transmission intermediate wash, identified as CLT089, with a capacity of 1000 gallons mixture of water and water based solvent,
- (12) One (1) open top degreaser, for head prewash, identified as CLT090, with a capacity of 600 gallons mixture of water and water based solvent,
- (13) One (1) open top degreaser, for converter wash, identified as CLT091, with a capacity of 1000 gallon mixture of water and water based solvent,
- (14) One (1) open top degreaser, for aluminum head wash, identified as CLT092, with a capacity of 175 gallons of water and water based solvent,
- (15) One (1) open top degreaser, for differential/axle housing wash, identified as CLT093, with a capacity of 375 gallons mixture of water and water based solvent,
- (16) One (1) open top degreaser, for crank wash, identified as ADJ016, with a capacity of 350 gallons mixture of water and water based solvent,
- (17) One (1) open top degreaser, for block final wash 1, identified as ADJ027, with a capacity of 440 gallons mixture of water and water based solvent,
- (18) One (1) open top degreaser, for block final wash 2, identified as ADJ028, with a capacity of 440 gallons mixture of water and water based solvent,
- (19) One (1) open top degreaser, for head final wash, identified as ADJ029, with a capacity of 440 gallons mixture of water and water based solvent,
- (20) One (1) open top degreaser, for small parts wash, identified as ADJ030, with a capacity

of 440 gallons mixture of water and water based solvent,

- (21) One (1) open top degreaser, for aluminum head wash, identified as ADJ031, with a capacity of 440 gallons mixture of water and water based solvent,
- (22) Water treatment operation.

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 Management (OAM) for a Federally Enforceable State Operating Permit (FESOP).

SECTION B GENERAL CONDITIONS

B.1 Permit No Defense [326 IAC 2-1-10] [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, any applicable definitions found in 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 effective date, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3.

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

- (a) All terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM.
- (b) Unless otherwise stated, terms and conditions of this permit, including any provisions to limit the source's potential to emit, are enforceable by the United States Environmental Protection Agency (U.S. EPA) and citizens under 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)] [326 IAC 2-8-7(a)(3)]

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)]

- (a) 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 Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) The Permittee shall furnish to IDEM, OAM, within a reasonable time, any information that IDEM, OAM, 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.

- (c) Upon request, the Permittee shall also furnish to IDEM, OAM, copies of records required to be kept by this permit. For information claimed to be confidential, the Permittee shall furnish such records to IDEM, OAM, along with a claim of confidentiality under 326 IAC 17. If requested by IDEM, OAM, or the U.S. EPA, the Permittee shall furnish such confidential records directly to the U.S. EPA along with a claim of confidentiality under 40 CFR 2, Subpart B.

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

IDEM, OAM 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 constitutes a violation of the Clean Air Act and 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.

B.11 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) Any application form, report, or compliance certification submitted under this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification, and any other certification required under this permit, 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, on the attached Certification Form, with each submittal.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

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 certify that the source has complied with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification 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 Data Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the

shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.

- (c) The annual compliance certification report shall include the following:
- (1) The 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, OAM, 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 "responsible official" as defined by 326 IAC 2-7-1(34).

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 prepare and maintain Preventive Maintenance Plans (PMP) within ninety (90) days after issuance of this permit, including the following information on each:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission units and associated emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions;
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) The Permittee shall implement the Preventive Maintenance Plans as necessary to ensure that lack of proper maintenance does not cause or contribute to a violation of any limitation on emissions or potential to emit.
- (c) PMP's shall be submitted to IDEM, OAM, upon request and shall be subject to review and approval by IDEM, OAM,.

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, OAM 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 Management, Compliance Section) or,
Telephone No.: 317-233-5674 (ask for Compliance Section)
Facsimile No.: 317-233-5967

Failure to notify IDEM, OAM, 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 notice either in writing or facsimile, of the emergency to:

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

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

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

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

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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) for sources subject to this rule after the effective date of this rule. This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAM, 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, OAM, by telephone or facsimile of an emergency lasting more than one (1) hour in compliance 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.

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

within ten (10) calendar days from the date of the discovery of the deviation.

- (b) Written notification shall be submitted on the attached Emergency/Deviation Occurrence Reporting Form or its substantial equivalent.
- (c) Proper notice submittal under 326 IAC 2-7-16 satisfies the requirement of this subsection.

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)]
 - (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAM 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, OAM, 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, OAM, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAM, 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, OAM 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).

Request for renewal shall be submitted to:

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

- (b) Timely Submittal of Permit Renewal [326 IAC 2-8-3]
 - (1) A timely renewal application is one that is:
 - (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due. [326 IAC 2-5-3]

- (2) If IDEM, OAM, 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, OAM 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, OAM any additional information identified as needed to process the application.

B.18 Administrative Permit Amendment [326 IAC 2-8-10]

- (a) An administrative permit amendment is a FESOP revision that makes changes of the type specified under 326 IAC 2-8-10(a).
- (b) An administrative permit amendment may be made by IDEM, OAM, consistent with the procedures specified under 326 IAC 2-8-10(b).
- (c) The Permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10(b)(3)]

B.19 Minor Permit Modification [326 IAC 2-8-11(a)] [326 IAC 2-8-11(b)(1) and (2)]

- (a) A permit modification is any revision to this permit that cannot be accomplished as an administrative permit amendment under 326 IAC 2-8-10.
- (b) Minor modification of this permit shall follow the procedures specified under 326 IAC 2-8-11(b)(1)(A) through (F), except as provided by 326 IAC 2-8-11(c).
- (c) An application requesting the use of minor modification procedures shall meet the requirements of 326 IAC 2-8-3(c) and shall include the information required in 326 IAC 2-8-11(b)(3)(A) through (D).
- (d) The Permittee may make the change proposed in its minor permit modification application immediately after it files such application provided that the change has received any approval required by 326 IAC 2-1. After the Permittee makes the change allowed under minor permit modification procedures, and until IDEM, OAM, takes any of the actions specified in 326 IAC 2-8-11(b)(5), the Permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this period, the Permittee need not comply with the existing permit terms and conditions it seeks to modify. If the Permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against it. [326 IAC 2-8-11(b)(6)]

B.20 Significant Permit Modification [326 IAC 2-8-11(d)]

- (a) Significant modification procedures shall be used for applications requesting permit modifications that do not qualify as minor permit modifications or as administrative amendments.
- (b) Any significant change in existing monitoring permit terms or conditions and every

relaxation of reporting or record keeping permit terms or conditions of this permit shall be considered significant.

- (c) Nothing in 326 IAC 2-8-11(d) shall be construed to preclude the Permittee from making changes consistent with 326 IAC 2-8 that would render existing permit compliance terms and conditions irrelevant.
- (d) Significant modifications of this permit shall meet all requirements of 326 IAC 2-8, including those for application, public participation, review by affected states and review by U.S. EPA, as they apply to permit issuance and renewal.

B.21 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-8-11(b)(2)]

Notwithstanding 326 IAC 2-8-11(b)(1)(D)(i) and 326 IAC 2-8-11(c)(1), minor permit modification procedures may be used for modifications of this permit involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches to the extent that such minor permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated by U.S. EPA.

B.22 Changes Under Section 502(b)(10) of the Clean Air Act [326 IAC 2-8-15(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 condition:

For each such change, the required written notification shall include a brief description of the change within the source, the date on which the change will occur, any change in emissions, and any permit term or condition that is no longer applicable as a result of the change.

B.23 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 2-1 has been obtained;
- (3) The changes do not result in emissions which exceed the emissions allowable under this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

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

and

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

Chicago, Illinois 60604-3590

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

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

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

- (b) For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:
 - (1) A brief description of the change within the source;
 - (2) The date on which the change will occur;
 - (3) Any change in emissions; and
 - (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-8-15(c)]
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (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, OAM 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.24 Construction Permit Requirement [326 IAC 2]

Except as allowed by Indiana P.L. 130-1996 Section 12, as amended by P.L. 244-1997, modification, construction, or reconstruction shall be approved as required by and in accordance with 326 IAC 2.

B.25 Inspection and Entry [326 IAC 2-8-5(a)(2)]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, the Permittee shall allow IDEM, OAM, 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) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) Utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.
[326 IAC 2-8-5(a)(4)]

B.26 Transfer of Ownership or Operation [326 IAC 2-1-6] [326 IAC 2-8-10]

Pursuant to 326 IAC 2-1-6 and 2-8-10:

- (a) In the event that ownership of this source is changed, the Permittee shall notify IDEM, OAM, Permits Branch, within thirty (30) days of the change. Notification shall include a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current Permittee and the new owner.
- (b) The written notification shall be sufficient to transfer the permit to the new owner by an administrative amendment pursuant to 326 IAC 2-8-10.
- (c) IDEM, OAM shall reserve the right to issue a new permit.

B.27 Annual Fee Payment [326 IAC 2-8-4(6)] [326 IAC 2-8-16]

- (a) The Permittee shall pay annual fees to IDEM, OAM, within thirty (30) calendar days of receipt of a billing, or in a time period consistent with the fee schedule established in 326 IAC 2-8-16.
- (b) Failure to pay may result in administrative enforcement action, or revocation of this permit.
- (c) If the Permittee does not receive a bill from IDEM, OAM, thirty (30) calendar days before the due date, the Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-0425 (ask for OAM, Technical Support and Modeling Section), to determine the appropriate permit fee. The applicable fee is due April 1 of each year.

B.28 Enhanced New Source Review [326 IAC 2]

The requirements of the construction permit rules in 326 IAC 2 are satisfied by this permit for any previously unpermitted facilities and such facilities to be constructed within eighteen (18) months after the date of issuance of this permit, as listed in Sections A.2 and A.3.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Overall Source Limit [326 IAC 2-8]

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

- (a) Pursuant to 326 IAC 2-8, the potential to emit of PM10 from the entire source shall be limited to less than 100 tons per twelve month period.
- (b) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.
- (c) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Visible emissions shall not exceed an average of forty percent (40%) opacity in twenty-four (24) consecutive readings as determined by 326 IAC 5-1-4,
- (b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) in a six (6) hour period.

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

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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

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

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

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

C.6 Operation of Equipment [326 IAC 2-8-5(a)(4)]

All air pollution control equipment listed in this permit shall be operated at all times that the emission unit vented to the control equipment is in operation, as described in Section D of this permit.

**C.7 Asbestos Abatement Projects - Accreditation [326 IAC 14-10] [326 IAC 18]
[40 CFR 61, Subpart M]**

Prior to the commencement of any demolition or renovation activities, the Permittee shall use an Indiana accredited asbestos inspector to inspect thoroughly the affected facility or part of the facility where the demolition or renovation operation will occur for the presence of asbestos, including Category I and Category II nonfriable asbestos containing material. The requirement that the inspector be accredited is federally enforceable.

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

C.8 Performance Testing [326 IAC 3-2.1]

(a) All testing shall be performed according to the provisions of 326 IAC 3-2.1 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing methods approved by the IDEM, OAM.

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 Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

no later than thirty-five (35) days before the intended test date.

(b) All test reports must be received by IDEM, OAM within forty-five (45) days after the completion of the testing. An extension may be granted by the Commissioner, if the source submits to IDEM, OAM, a reasonable written explanation within five (5) days prior to the end of the initial forty-five (45) day period.

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

C.9 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment no more than ninety (90) days after receipt of this permit. If due to circumstances beyond its control, this schedule cannot be met, the Permittee shall notify:

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

in writing no more than ninety (90) days after receipt of this permit, with full justification of the reasons for inability to meet this date and a schedule which it expects to meet. If a denial of the request is not received before the monitoring is fully implemented, the schedule shall be deemed approved.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

C.10 Monitoring Methods [326 IAC 3]

Any monitoring or testing performed to meet the requirements of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, or other approved methods as specified in this permit.

C.11 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18-1] [40 CFR 61.140]

- (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 insure 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
 - (3) 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 Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015
- (e) Procedures for Asbestos Emission Control
The Permittee shall comply with the 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 mandatory 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.

C.12 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]

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

- (a) Submit:
 - (1) A compliance schedule for meeting the requirements of 40 CFR 68 by the date provided in 40 CFR 68.10(a); or
 - (2) As a part of the 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); and
 - (3) A verification to IDEM, OAM, that a RMP or a revised plan was prepared and submitted as required by 40 CFR 68.
- (b) Provide annual certification to IDEM, OAM, that the Risk Management Plan is being properly implemented.

C.13 Compliance Monitoring Plan - Failure to Take Corrective Action [326 IAC 2-8-4(3)]

- (a) The Permittee is required to implement a compliance monitoring plan to ensure that reasonable information is available to evaluate its continuous compliance with applicable requirements. This compliance monitoring plan is comprised of:
 - (1) This condition;
 - (2) The Compliance Determination Requirements in Section D of this permit;
 - (3) The Compliance Monitoring Requirements in Section D of this permit;
 - (4) The Record Keeping and Reporting Requirements in Section C (Monitoring Data Availability, General Record Keeping Requirements, and General Reporting Requirements) and in Section D of this permit; and
 - (5) A Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. CRP's shall be submitted to IDEM, OAM upon request and shall be subject to review and approval by IDEM, OAM. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee and maintained on site, and is comprised of :
 - (A) Response steps that will be implemented in the event that compliance related information indicates that a response step is needed pursuant to the requirements of Section D of this permit; and
 - (B) A time schedule for taking such response steps including a schedule for devising additional response steps for situations that may not have been predicted.
- (b) For each compliance monitoring condition of this permit, appropriate response steps shall be taken when indicated by the provisions of that compliance monitoring condition. Failure to perform the actions detailed in the compliance monitoring conditions or failure to take the response steps within the time prescribed in the Compliance Response Plan, shall constitute a violation of the permit unless taking the response steps set forth in the Compliance Response Plan would be unreasonable.
- (c) After investigating the reason for the excursion, the Permittee is excused from taking further response steps for any of the following reasons:

- (1) The monitoring equipment malfunctioned, giving a false reading. This shall be an excuse from taking further response steps providing that prompt action was taken to correct the monitoring equipment.
 - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied or;
 - (3) An automatic measurement was taken when the process was not operating; or
 - (4) The process has already returned to operating within "normal" parameters and no response steps are required.
- (d) Records shall be kept of all instances in which the compliance related information was not met and of all response steps taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate corrective actions. The Permittee shall submit a description of these corrective actions to IDEM, OAM, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. IDEM, OAM shall notify the Permittee within thirty (30) days, if the corrective actions taken are deficient. The Permittee shall submit a description of additional corrective actions taken to IDEM, OAM within thirty (30) days of receipt of the notice of deficiency. IDEM, OAM reserves the authority to use enforcement activities to resolve noncompliant stack tests.
- (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, OAM that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAM may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate permit conditions may be grounds for immediate revocation of the permit to operate the affected facility.

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

C.15 Monitoring Data Availability

- (a) With the exception of performance tests conducted in accordance with Section C- Performance Testing all observations, sampling, maintenance procedures, and record keeping, required as a condition of this permit shall be performed at all times the equipment is operating at normal representative conditions.
- (b) As an alternative to the observations, sampling, maintenance procedures, and record keeping of subsection (a) above, when the equipment listed in Section D of this permit is not operating, the Permittee shall either record the fact that the equipment is shut down or perform the observations, sampling, maintenance procedures, and record keeping that would otherwise be required by this permit.
- (c) If the equipment is operating but abnormal conditions prevail, additional observations and sampling should be taken with a record made of the nature of the abnormality.

- (d) If for reasons beyond its control, the operator fails to make required observations, sampling, maintenance procedures, or record keeping, reasons for this must be recorded.
- (e) At its discretion, IDEM may excuse such failure providing adequate justification is documented and such failures do not exceed five percent (5%) of the operating time in any quarter.
- (f) Temporary, unscheduled unavailability of staff qualified to perform the required observations, sampling, maintenance procedures, or record keeping shall be considered a valid reason for failure to perform the requirements in (a) above.

C.16 General Record Keeping Requirements [326 IAC 2-8-4(3)(B)]

- (a) Records of all required monitoring data 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 and available within one (1) hour upon verbal request of an IDEM, OAM representative, for a minimum of three (3) years. They may be stored elsewhere for the remaining two (2) years providing they are made available within thirty (30) days after written request.
- (b) Records of required monitoring information shall include, where applicable:
 - (1) The date, place, and time of sampling or measurements;
 - (2) The dates analyses were performed;
 - (3) The company or entity performing the analyses;
 - (4) The analytic techniques or methods used;
 - (5) The results of such analyses; and
 - (6) The operating conditions existing at the time of sampling or measurement.
- (c) Support information shall include, where applicable:
 - (1) Copies of all reports required by this permit;
 - (2) All original strip chart recordings for continuous monitoring instrumentation;
 - (3) All calibration and maintenance records;
 - (4) Records of preventive maintenance shall be sufficient to demonstrate that improper maintenance did not cause or contribute to a violation of any limitation on emissions or potential to emit. To be relied upon subsequent to any such violation, these records may include, but are not limited to: work orders, parts inventories, and operator's standard operating procedures. Records of response steps taken shall indicate whether the response steps were performed in accordance with the Compliance Response Plan required by Section C - Compliance Monitoring Plan - Failure to take Response Steps, of this permit, and whether a deviation from a permit condition was reported. All records shall briefly describe what maintenance and response steps were taken and indicate who performed the tasks.

- (d) All record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

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

- (a) To affirm that the source has met all the requirements stated in this permit the source shall submit a Quarterly Compliance Report. Any deviation from the requirements and the date(s) of each deviation must be reported.
- (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 Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period.
- (e) All instances of deviations must be clearly identified in such reports. A reportable deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:
 - (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
 - (2) An emergency as defined in 326 IAC 2-7-1(12); or
 - (3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.
 - (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred or failure to monitor or record the required compliance monitoring is a deviation.

- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

Stratospheric Ozone Protection

C.18 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.

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1 AND 40 CFR 52.780, WITH CONDITIONS LISTED BELOW.

Construction Conditions [326 IAC 2-1-3.2]

General Construction Conditions

- C.19 This permit 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.

Effective Date of the Permit

- C.20 Pursuant to IC 13-15-5-3, this section of this permit becomes effective upon its issuance.
- C.21 Pursuant to 326 IAC 2-1-9(b) (Revocation of Permits), IDEM, OAM may revoke this section of the approved permit if construction is not commenced within eighteen (18) months after receipt of this permit or if construction is suspended for a continuous period of one (1) year or more.
- C.22 All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for modifications of construction permits pursuant to 326 IAC 2 (Permit Review Rules).

First Time Operation Permit

- C.23 This document shall also become the first-time operation permit for the facilities under this section of this permit, pursuant to 326 IAC 2-1-4 (Operating Permits) when, prior to start of operation, the following requirements are met:
 - (a) The attached affidavit of construction shall be submitted to:

Indiana Department of Environmental Management
Permit Administration & Development Section, Office of Air Management
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015

verifying that the facilities were constructed as proposed in the application. The facilities covered in this section of this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM.
 - (b) If construction is completed in phases; i.e., the entire construction is not done continuously, a separate affidavit must be submitted for each phase of construction. Any permit conditions associated with operation start up dates such as stack testing for New Source Performance Standards (NSPS) shall be applicable to each individual phase.
 - (c) The Permittee shall receive an Operation Permit Validation Letter from the Chief of the Permit Administration & Development Section and attach it to this permit.

SECTION D.1

FACILITY OPERATION CONDITIONS

- (1) Two (2) natural gas-fired boilers, each has a heat input rate of 17 million British Thermal Units (mmBtu/hr),

Operation Conditions

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

D.1.1 Particulate Matter Limitation [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4, the particulate matter (PM) emissions from the two (2) 17 million

BTU/hour boilers shall be limited to 0.1 pounds/MMBTU heat input, which is equivalent to 3.4 pounds per hour. The PM allowable emissions shall be determined using the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where: Pt = Pounds of PM emitted per million Btu (lb/mmBtu) heat input
Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input.

Compliance Determination Requirements

D.1.2 Testing Requirements [326 IAC 2-8-5(1)]

Testing of this facility is not required by this permit. However, if testing is required, compliance with the PM limit specified in Condition D.1.1 shall be determined by a performance test conducted in accordance with Section C - Performance Testing. This does not preclude testing requirements on this facility under 326 IAC 2-1-4(f), 326 IAC 2-8-4 and 326 IAC 2-8-5.

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

D.1.3 NSPS Recording Requirement [40 CFR Part 60.48c(g), Subpart Dc]

- (a) Pursuant to the New Source Performance Standards (NSPS), 40 CFR Part 60.48c(g), Subpart Dc, the source owner/operator of the two (2) 17 million British Thermal Units per hour (mmBtu/hr) natural gas-fired boilers is hereby required to record and maintain records of the amount of natural gas fuel combusted during each day.
- (b) All records required in item (a) of this condition 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.

D.1.4 NSPS Reporting Requirement [40 CFR Part 60.40c, Subpart Dc]

Pursuant to the New Source Performance Standards (NSPS), 40 CFR Part 60.40c, Subpart Dc, the source owner/operator of the two (2) 17 million British Thermal Units per hour (mmBtu/hr) natural gas-fired boilers is hereby advised of the requirement to report the following at the appropriate times:

- (a) Commencement of construction date (no later than 30 days after such date);
- (b) Anticipated start-up date (not more than 60 days or less than 30 days prior to such date); and
- (c) Actual start-up date (within 15 days after such date).

Reports are to be sent to:

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

The application and enforcement of these standards have been delegated to the IDEM-OAM. The requirements of 40 CFR Part 60 are also federally enforceable.

D.1.5 Natural Gas Certification Submission

To document compliance with Condition D.1.1, the Natural Gas Certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, within thirty (30) days after the end of the quarter being certified.

- (2) Six (6) black beauty abrasive shot blasters, identified as BLA020 through BLA026 each has a nozzle flow rate of 1,020 pounds per hour (lb/hr). Each shot blaster is controlled by a baghouse, with the same ID as the shot blasters,
- (3) Four (4) steel shot blasters, identified as BLA026 through BLA029 each with a blast rate of 800 pounds per hour. Shot blaster BLA026 is controlled by baghouse DUC040, shot blaster BLA027 is controlled by baghouse DUC041, shot blaster BLA028 is controlled by baghouse DUC042, and shot blaster BLA029 is controlled by baghouse DUC043, and
- (4) Molten salt bath cleaning line, which consists of the following eight (8) tanks:
- (a) Tank KOL013, with a capacity of 1,200 gallons, using molten salt for cleaning. This tank is heated by a 2.5 mmBtu/hr natural gas burner,
 - (b) Tank KOL014, with a capacity of 1,200 gallons, using molten salt for cleaning. This tank is heated by a 2.5 mmBtu/hr natural gas burner,
 - (c) Tank KOL021, with a capacity of 1,800 gallons is used for quenching,
 - (d) Tank KOL022 with a capacity of 1,800 gallons is used for hot rinsing,
 - (e) Tanks KOL016 and KOL017, each has a capacity of 1,200 gallons and are used for acid derust,
 - (f) Tank KOL018 with a capacity of 1,200 is used for acid rinsing,
 - (g) Tank KOL019 with a capacity of 1,200 is used for alkaline derusting, and
 - (h) Tank KOL20 with a capacity of 1,200 is used for alkaline rinsing.

Operation Conditions

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

D.2.1 Particulate Matter Less Than Ten Micron (PM10) [326 IAC 2-8]

The source PM10 emissions shall be limited to 99 tons per twelve month period. Compliance with this condition and conditions D.2.5 and D.2.6 will make 326 IAC 2-7 not applicable.

D.2.2 PM Allowable Emissions [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the following facilities shall not exceed the following PM emissions:

(a)

Shot Blasters	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)
BLA020	0.52	2.64
BLA021	0.52	2.64
BLA022	0.52	2.64
BLA023	0.52	2.64
BLA024	0.52	2.64
BLA025	0.52	2.64
BLA026	0.40	2.20
BLA027	0.40	2.20
BLA028	0.40	2.20

BLA029	0.4	2.2
TOTAL		24.64

- (b) The salt bath cleaning line's PM emissions shall be limited to 16.5 pounds per hour.

The allowable PM emissions in items (a) and (b) of this condition shall be determined using the following equation:

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

where: E = rate of emission in pounds per hour,
 P = process weight in tons per hour, if
 P is equal to or less than 60,000 lbs/hr (30 tons/hr)

D.2.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-8-5(1)]

Testing of the shotblasters and the molten salt bath cleaning line is not required by this permit. However, if testing is required, compliance with the PM and PM10 limits specified in Condition D.2.1 and D.2.2 shall be determined by a performance test conducted in accordance with Section C - Performance Testing. This does not preclude testing requirements on this facility under 326 IAC 2-1-4(f), 326 IAC 2-8-4 and 326 IAC 2-8-5.

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

D.2.5 Baghouse Operating Parameters

- (a) The baghouses shall be operated at all times when the shotblaster being controlled is in operation.
- (b) An inspection shall be performed each calendar quarter of the all the baghouses. Defective bags shall be replaced. A record shall be kept of the results of the inspection and the number of bags replaced.
- (c) In the event that a bag's failure has been observed:
- (i) The affected compartments will be shut down immediately until the failed units have been replaced.
 - (ii) Based upon the findings of the inspection, any additional corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

- (f) Emissions do not violate 326 IAC 6-4 (Fugitive Dust Emissions)

D.2.6 Scrubber Operating Parameters

The scrubber (KOL015) shall be operated at all times when the molten salt bath cleaning

line is in operation.

- (a) The Permittee shall monitor and record the pressure drop and flow rate of the scrubber, at least once per week. The Preventive Maintenance Plan for the scrubber shall contain troubleshooting contingency and corrective actions for when the acid content, pressure drop and flow rate readings are outside of the normal range for any one reading.
- (b) The instruments used for determining the pressure drop and flow rate shall be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.
- (c) The gauge employed to take the pressure drop across the scrubber or any part of the facility shall have a scale such that the expected normal reading shall be no less than 20 percent of full scale and be accurate within $\pm 2\%$ of full scale reading. The instrument shall be quality assured and maintained as specified by the vendor.
- (d) An inspection shall be performed each calendar quarter of the scrubber. Defective scrubber part(s) shall be replaced. A record shall be kept of the results of the inspection and the number of scrubber part(s) replaced.
- (e) In the event that a scrubber's failure has been observed:
 - (i) The affected process will be shut down immediately until the failed unit has been replaced.
 - (ii) Based upon the findings of the inspection, any additional corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

D.2.7 Visible Emissions Notations

- (a) Daily visible emission notations of the molten salt bath cleaning line's wet scrubber stack exhaust shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

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.2.6 the Permittee shall maintain the

following:

- (1) Daily records of the following operational parameters during normal operation:
 - (A) Inlet and outlet differential static pressure;
 - (B) Cleaning cycle: frequency and differential pressure; and
 - (C) Scrubbant flow rate.
 - (2) Documentation of all response steps implemented, per event .
 - (3) Operation and preventive maintenance logs, including work purchases orders, shall be maintained.
 - (4) Quality Assurance/Quality Control (QA/QC) procedures.
 - (5) Operator standard operating procedures (SOP).
 - (6) Manufacturer's specifications or its equivalent.
 - (7) Equipment "troubleshooting" contingency plan.
- (b) To document compliance with Condition D.2.7, the Permittee shall maintain records of daily visible emission notations of the wet scrubber stack exhaust.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

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

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

Source Name: Jasper Engine Exchange, Inc.
Source Address: 6400 East Industrial Lane, English, Indiana 47118
Mailing Address: P. O. Box 650, Jasper, Indiana 47547
FESOP No.: F-025-8935-00012

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:

- 9 Annual Compliance Certification Letter
- 9 Emergency/Deviation Occurrence Reporting Form
- 9 Test Result (specify) _____
- 9 Report (specify) _____
- 9 Notification (specify) _____
- 9 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 MANAGEMENT
COMPLIANCE DATA SECTION**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) and ENSR
NATURAL GAS FIRED BOILER CERTIFICATION**

Source Name: Jasper Engine Exchange, Inc.
Source Address: 6400 East Industrial Lane, English, Indiana 47118
Mailing Address: P. O. Box 650, Jasper, Indiana 47547
FESOP No.: F-025-8935-00012

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

Report period

Beginning: _____

Ending: _____

Boiler Affected

Alternate Fuel

Days burning alternate fuel

From

To

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 MANAGEMENT
COMPLIANCE DATA SECTION
P.O. Box 6015
100 North Senate Avenue
Indianapolis, Indiana 46206-6015
Phone: 317-233-5674
Fax: 317-233-5967**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) and ENSR
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Jasper Engine Exchange, Inc.
Source Address: 6400 East Industrial Lane, English, Indiana 47118
Mailing Address: P. O. Box 650, Jasper, Indiana 47547
FESOP No.: F-025-8935-00012

This form consists of 2 pages Page 1 of 2

Check either No. 1 or No.2
9 1. This is an emergency as defined in 326 IAC 2-7-1(12) CThe Permittee must notify the Office of Air Management (OAM), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and CThe Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16
9 2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c) CThe Permittee must submit notice in writing within ten (10) calendar days

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/Deviation:
Describe the cause of the Emergency/Deviation:

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

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? 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/deviation:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

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

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

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) and ENSR QUARTERLY COMPLIANCE REPORT

Source Name: Jasper Engine Exchange, Inc.
 Source Address: 6400 East Industrial Lane, English, Indiana 47118
 Mailing Address: P. O. Box 650, Jasper, Indiana 47547
 FESOP No.: F-025-8935-00012

Months: _____ to _____ Year: _____

This report is an affirmation that the source has met all the requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify zero in the column marked "No Deviations".

LIST EACH COMPLIANCE REQUIREMENT EXISTING FOR THIS SOURCE:

Requirement (eg. Permit Conditions D.1.1 and D.2.1)	Number of Deviations	Date of each Deviations	No Deviations

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

Attach a signed certification to complete this report.

Indiana Department of Environmental Management Office of Air Management

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

Source Background and Description

Source Name:	Jasper Engine Exchange, Inc.
Source Location:	RR #1, Leavenworth, Indiana 47547
County:	Crawford
FESOP No.:	F-025-8935-00012
SIC Code:	3714
Permit Reviewer:	Aida De Guzman

The Office of Air Management (OAM) has reviewed an application from Jasper Engine Exchange, Inc. relating to the construction and operation of a plant that remanufactures old worn out vehicle engines, transmissions, etc., which involves disassembly, cleaning, replacement of all bearings, pistons, valve springs, rings, and timing gears, remachining of blocks, heads, connecting rods, crankshafts, camshafts, reassembly and testing to meet the Original Engine Manufacturing (OEM) specification using the following equipment:

Permitted Emission Units and Pollution Control Equipment

This is a proposed new plant and therefore, no permitted facilities are operating at this source during this review process.

Emission Units and Pollution Control Equipment Under Enhanced new Source Review (ENSR)

- (1) Two (2) natural gas-fired boilers, each has a heat input rate of 17 million British Thermal Units (mmBtu/hr),
- (2) Six (6) black beauty abrasive shot blasters, identified as BLA020 through BLA026 each has a nozzle flow rate of 1,020 pounds per hour (lb/hr). Each shot blaster is controlled by a baghouse, with the same ID as the shot blasters,
- (3) Four (4) steel shot blasters, identified as BLA026 through BLA029 each with a blast rate of 800 pounds per hour. Shot blaster BLA026 is controlled by baghouse DUC040, shot blaster BLA027 is controlled by baghouse DUC041, shot blaster BLA028 is controlled by baghouse DUC042, and shot blaster BLA029 is controlled by baghouse DUC043.

Unpermitted Emission Units and Pollution Control Equipment

This is a proposed new plant and therefore, no unpermitted facilities are operating at this source during this review process.

Insignificant Activities

- (1) Seven (7) natural gas-fired heaters, with a total heat input rate of 0.8 mmBtu/hr,

- (2) Four (4) natural gas-fired internal combustion engines, each with a heat input rate of 0.725 mmBtu/hr,
- (3) Two (2) Metal Inert Gas (MIG) stations, each has a maximum throughput of 9 lb/hr,
- (4) Four (4) stick welding stations, each with a maximum throughput of 1.6 lb/hr,
- (5) An Oxyacetylene flame-cutting operation, which has a cutting rate of 2 inches per minute,
- (6) One (1) engine skid wash, identified as CLT002, with a capacity of 375 gallons mixture of water and water based solvent,
- (7) One (1) open top degreaser, for transmission skid wash, identified as CLT032, with a capacity of 800 gallons mixture of water and water based solvent,
- (8) One (1) open top degreaser, for iron and steel small parts wash, identified as CLT040, with a capacity of 400 gallons mixture of water and water based solvent,
- (9) One (1) open top degreaser, for transmission prewash, identified as CLT086, with a capacity of 1800 gallons mixture of water and water based solvent,
- (10) One (1) open top degreaser, for engine block prewash, identified as CLT088, with a capacity of 1000 gallons mixture of water and water based solvent,
- (11) One (1) open top degreaser, for transmission intermediate wash, identified as CLT089, with a capacity of 1000 gallons mixture of water and water based solvent,
- (12) One (1) open top degreaser, for head prewash, identified as CLT090, with a capacity of 600 gallons mixture of water and water based solvent,
- (13) One (1) open top degreaser, for converter wash, identified as CLT091, with a capacity of 1000 gallon mixture of water and water based solvent,
- (14) One (1) open top degreaser, for aluminum head wash, identified as CLT092, with a capacity of 175 gallons of water and water based solvent,
- (15) One (1) open top degreaser, for differential/axle housing wash, identified as CLT093, with a capacity of 375 gallons mixture of water and water based solvent,
- (16) One (1) open top degreaser, for crank wash, identified as ADJ016, with a capacity of 350 gallons mixture of water and water based solvent,
- (17) One (1) open top degreaser, for block final wash 1, identified as ADJ027, with a capacity of 440 gallons mixture of water and water based solvent,
- (18) One (1) open top degreaser, for block final wash 2, identified as ADJ028, with a capacity

- of 440 gallons mixture of water and water based solvent,
- (19) One (1) open top degreaser, for head final wash, identified as ADJ029, with a capacity of 440 gallons mixture of water and water based solvent,
 - (20) One (1) open top degreaser, for small parts wash, identified as ADJ030, with a capacity of 440 gallons mixture of water and water based solvent,
 - (21) One (1) open top degreaser, for aluminum head wash, identified as ADJ031, with a capacity of 440 gallons mixture of water and water based solvent,
 - (22) Two (2) molten salt baths, identified as KOL013 and KOL014, each with a capacity of 2,000 gallons of mixture of water and salts,
 - (23) Two (2) open top degreasers, for acid derust 1 and 2, identified as KOL016 and KOL017, each with a capacity of 1200 gallons,
 - (24) One (1) open top degreaser for acid rinsing, identified as KOL018, with a capacity of 1200 gallons of water,
 - (25) One (1) open top degreaser for alkaline derust, identified as KOL019, with a capacity of 1200 gallons mixture of water and water based solvent,
 - (26) One (1) open top degreaser for alkaline rinsing, identified as KOL020, with a capacity of 1200 gallons of water,
 - (27) One (1) open top degreaser for quenching, identified as KOL021, with a capacity of 1800 gallons of water,
 - (28) One (1) open top degreaser for hot rinse, identified as KOL022, with a capacity of 1800 gallons of water, and
 - (29) Water treatment operation.

Recommendation

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

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

An administratively incomplete FESOP and ENSR application for the purposes of this review was received on September 2, 1997, with additional information received on October 31, 1997, November 21, 1997, and December 5, 1997 makes the FESOP and ENSR application administratively complete.

Stack Summary

Stack ID	Operation	Height (feet)	Diameter (feet)	Flow Rate (acfm)	Temperature (°F)
KOL013	natural gas molten salt bath	34	1.33	3120	300
KOL014	natural gas molten salt bath	34	1.33	3120	300
KOL021	Quench	34	2.83	22500	80
KOL015	wet scrubber for salt bath	34	2.83		80
KOL022	hot rinse	34	2.83		80
KOL016	acid derust 1	34	2.5	6000	80
KOL017	acid derust 2				
KOL018	acid rinse				
KOL019	alkaline derust				
KOL020	alkaline rinse				
FAN115	exhaust fan for derust line	34	2	6000	80
ACO013	natural gas engine	22	0.25	1100	240
ACO014					
ACO015					
ACO016					
FEQ016	natural gas boiler	24	2	3600	350
FEQ017	natural gas boiler	24	2	3600	350
ACH016	natural gas heater	19	0.25	250	38
ACH017	natural gas heater	19	0.25	250	27
ACH018	natural gas heater	19	0.25	250	16
ACH019	natural gas heater	20	0.25	250	27
ACH020	natural gas heater	20	0.25	250	38
ACH021	natural gas heater	20	0.25	250	16
ACH022	natural gas heater	20	0.25	250	27

BLA020	sand blasters with integral baghouses	6	0.66	720	80
BLA021		6	0.66	720	80
BLA022		6	0.66	720	80
BLA023		6	0.66	720	80
BLA024		6	0.66	720	80
BLA025		6	0.66	720	80
BLA026	shot peeners coonnected to baghouses DUC040- DUC043	4	-	-	80
BLA027		4	-	-	80
BLA028		4	-	-	80
BLA029		4	-	-	80
DUC040	baghouses	8	1	3000	80
DUC041		8	1	3000	80
DUC042		8	1	3000	80
DUC043		8	1	3000	80
CLT002	gas skid wash	6	-	-	175
CLT0032	transmission skid wash	6	-	-	175
CLT040	miscellaneous parts wash	4	0.5	-	175
CLT086	transmission prewash	8	0.66	-	175
CLT088	block prewash	8	0.66	-	175
CLT089	transmission intermediate wash	8	0.66	-	175
CLT090	head prewash	7	0.5	-	175
CLT091	converter wash	8	0.66	-	175
CLT092	aluminum head rinse	3	0.5	-	175
CLT093	differential /axle housing tank	4	-	-	175
ADJ016	crank wash	3	-	-	150
ADJ027	block wash	4	0.5	-	150
ADJ028	block wash	4	0.5	-	150
ADJ029	head wash	4	0.5	-	150
ADJ30	small parts wash	4	0.5	-	150
ADJ31	aluminum head wash	4	0.5	-	150

TAN046 TAN047 TAN055	waste treatment Bio-Reactors	21	0.5	6000	70
TAN048	waste treatment neutralization 1	22	0.5	2000	70
TAN067 TAN068 TAN071	Ferric Chloride Waste Acid Sulfuric Acid	23	0.33	-	70

Recommendation

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

Information, unless otherwise stated, 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 September 2, 1997, with additional information received on October 31, 1997, November 21, 1997, and December 5, 1997.

Emissions Calculations

- (1) Combustion Emissions: See pages 1 through 3 TSD Appendix A for detailed emission calculations.
- (2) Shot Blasting Emissions:
Each shot blaster is controlled by a baghouse, with control efficiency of 99 %.

Table 1

Facility ID	Media Density (lb/ft ³)	Nozzle Diameter (inches)	Nozzle Pressure (psig)	Nozzle Flow Rate (lb/hr)	Emission Factor (lb/lb)	PM Uncontrolled Emissions (ton/yr)	PM 10 Uncontrolled Emission (ton/yr)	PM Controlled Emissions (ton/yr)	PM10 Controlled Emissions (ton/yr)
BLA020	156 _{grit}	50	80	1040	0.010 lbPM/lb abrasive 0.70 lb PM10/lb PM	45.5	31.85	0.455	0.3185
BLA021	156 _{grit}	50	80	1040	0.010 lbPM/lb abrasive 0.70 lb PM10/lb PM	45.5	31.85	0.455	0.3185
BLA022	156 _{grit}	50	80	1040	0.010 lbPM/lb abrasive 0.70 lb PM10/lb PM	45.5	31.85	0.455	0.3185

BLA023	156 _{grit}	50	80	1040	0.010 lbPM/lb abrasive 0.70 lb PM10/lb PM	45.5	31.85	0.455	0.3185
BLA024	156 _{grit}	50	80	1040	0.010 lbPM/lb abrasive 0.70 lb PM10/lb PM	45.5	31.85	0.455	0.3185
BLA025	156 _{grit}	50	80	1040	0.010 lbPM/lb abrasive 0.70 lb PM10/lb PM	45.5	31.85	0.455	0.3185
TOTAL						273.0	191.1	2.73	1.91
Facility ID	Media Density (lb/ft ³)			Blast Rate (lb/hr)	Emission Factor (lb/lb)	PM Uncontrolled Emissions (ton/yr)	PM10 Uncontrolled Emissions (ton/yr)	PM Controlled Emissions (ton/yr)	PM10 Controlled Emissions (ton/yr)
BLA026	298 _{steel}	-	-	800	0.004 lbPM/lb abrasive 0.86 lbPM10/lb PM	14.0	12.0	0.14	0.12

BLA027	298 _{steel}	-	-	800	0.004 lbPM/lb abrasive 0.86 lbPM10/lb PM	14.0	12.0	0.14	0.12
BLA028	298 _{steel}	-	-	800	0.004 lbPM/lb abrasive 0.86 lbPM10/lb PM	14.0	12.0	0.14	0.12
BLA029	298 _{steel}	-	-	800	0.004 lbPM/lb abrasive 0.86 lbPM10/lb PM	14.0	12.0	0.14	0.12
TOTAL						56.0	48.0	0.56	0.48

Methodology:

PM Emissions, ton/yr = blast rate/nozzle rate, lb/hr * ef, lb/lb * ton/2000 lb * 8760 hr/yr

(3) Welding Emissions:

Using default emission factor in the "SARA 313 Reporting Guide" for the MIG welding, since there is emission factor in the FIRE Version 3 for the electrode used.

Table 2

Type of Welding	Throughput (lb/hr)	# of Station	Emission Factor (lb/lb)	PM Emissions (ton/yr)	PM10 Emissions (ton/yr)	Manganese (ton/yr)
-----------------	--------------------	--------------	-------------------------	-----------------------	-------------------------	--------------------

MIG	9.0	2	0.0055	0.43	0.43	0.039
Stick	1.6	4	0.0384	-	1.1	-
Total				0.43	1.53	0.039

Methodology:

$$\text{Emissions, ton/yr} = \text{throughput, lb/hr} * \text{no. of station} * \text{ef, lb/lb} * 8760 \text{ hr/yr} * \text{ton/2000 lb}$$

(4) Oxyacetylene Cutting: "Using SARA 313 Reporting Guide"

$$\begin{aligned} \text{Throughput} &= 2 \text{ in/min} * 1 \text{ in/in} * 60 \text{ min/hr} * 8760 \text{ hr/yr} * 1/1000 \\ &= 1051.2 \text{ Kin/yr} \end{aligned}$$

$$\begin{aligned} \text{PM}_{10}=\text{PM} &= 1051.2 \text{ Kin/yr} * 0.1622 \text{ lb/Kin} * \text{ton/2000 lb} \\ &= 0.085 \text{ ton/yr} \end{aligned}$$

(3) Open Top Degreasers Emissions:

Table 3

Open Top Degreaser ID	Chemical Maximum Throughput (pounds/week)	% VOC	% HAP	HAP Emissions (ton/yr)	VOC Emissions (ton/year)
Transmission Wash	80.0	1.0	-	-	0.0
Transmission Prewash	200.0	1.0	-	-	0.052
Engine Block Prewash	100.0	1.0	-	-	0.026
Transmission Intermediate Wash	200.0	2.0	-	-	0.104
Head Prewash	240.0	1.0	-	-	0.062
Converter Wash	300.0	1.0	-	-	0.078
Aluminum Head Wash	40.0	1.0	-	-	0.0
Crank Wash	21.0	5.45	3.0 % Ethylene Glycol	0.02	0.029
Total				0.02	0.35

Methodology:

$$\text{VOC Emissions, ton/yr} = \text{throughput, lb/wk} * \% \text{ VOC} * 52 \text{ wk/yr} * \text{ton/2000 lb}$$

Total Potential and Allowable Emissions

Indiana Permit Allowable Emissions Definition (after compliance with applicable rules, based on 8,760 hours of operation per year at rated capacity):

Pollutant	Allowable Emissions (tons/year)	Potential Emissions (tons/year)
-----------	---------------------------------	---------------------------------

Particulate Matter (PM)	40.0	331.6
Particulate Matter (PM10)	242.9	242.9
Sulfur Dioxide (SO ₂)	0.1	0.1
Volatile Organic Compounds (VOC)	0.85	0.85
Carbon Monoxide (CO)	5.6	5.6
Nitrogen Oxides (NO _x)	22.4	22.4
Single Hazardous Air Pollutant (HAP)	negligible	negligible
Combination of HAPs	negligible	negligible

- (a) Allowable emissions are determined from the applicability of rule 326 IAC 6-3, and 6-2). The following facilities shall have an allowable PM emissions using the following equation:

326 IAC 6-3: (Process Weight)

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

Where: E = PM allowable emissions, lb/hr
 P = Process weight rate, ton/hr

Table 4

Shot Blasters	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)
BLA020	0.52	2.64
BLA021	0.52	2.64
BLA022	0.52	2.64
BLA023	0.52	2.64
BLA024	0.52	2.64
BLA025	0.52	2.64
BLA026	0.40	2.20
BLA027	0.40	2.20
BLA028	0.40	2.20
BLA029	0.4	2.2
TOTAL		24.64

Table 5

Welding Type	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)
MIG	0.01	0.2
Stick	0.0032	0.1
TOTAL		0.3

326 IAC 6-2: (Indirect Heating Facilities)

The two (2) 17 mmBtu/hr boilers are subject to this rule. This rule mandates a PM allowable emissions of 0.1 pounds per mmBtu, which is equivalent to 3.4 pounds per hour, for Q greater than or equal to 10,000 mmBtu/hr.

- (b) The allowable emissions based on the rules cited are less than the potential emissions, therefore, the allowable emissions are used for the permitting determination.
- (c) Allowable emissions (as defined in the Indiana Rule) of PM and PM10 are greater than 25 tons per year. Therefore, pursuant to 326 IAC 2-1, Sections 1 and 3, a construction permit is required.

Potential To Emit

The source's PM10 emission is limited to below 100 tons per year. This is accomplished by using baghouses to control this pollutant's emissions. The baghouses operating parameters will be maintained and monitored at levels determined during a stack test that corresponds to a PM10 emissions below 100 tons per year.

County Attainment Status

Pollutant	Status
TSP	attainment or unclassifiable
PM-10	attainment or unclassifiable
SO ₂	attainment or unclassifiable
VOC	attainment or unclassifiable
NOC	attainment or unclassifiable
CO	attainment or unclassifiable

Source Status

New Source PSD Definition (emissions after controls, based on 8,760 hours of operation per

year at rated capacity and/ or as otherwise limited):

Pollutant	Emissions (ton/yr)
PM	6.0
PM10	5.7
SO ₂	0.1
VOC	0.85
CO	5.6
NO _x	22.4
Single HAP	negligible
Combination HAPs	negligible

This new source is **not** a major stationary source because no attainment pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories. Therefore, pursuant to 326 IAC 2-2, and 40 CFR 52.21, the PSD requirements do not apply.

Part 70 Permit Determination

326 IAC 2-8 (Federally State Operating Permit) and 326 IAC 2-7 (Part 70 Permit Program)
This new source is subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) PM10 is greater than 100 tons per year.

This will be the first air approval issued to this source.

- (b) This source, otherwise required to obtain a Title V permit, has agreed to accept a permit with federally enforceable limits that restrict its PTE to below the Title V emission levels. Therefore this source will be issued a Federally Enforceable State Operating Permit (FESOP), pursuant to 326 IAC 2-8.

Federal Rule Applicability

- (1) New Source Performance Standards
40 CFR Part 60.42c, Subpart, Dc - Standards of Performance for Small Industrial Commercial-Institutional Steam Generating Units:
The two (2) 17 mmBtu/hr natural gas-fired boilers are subject to the initial Reporting and Recordkeeping requirements of this subpart, which requires the operator/owner of these boilers to report the following:

- (a) Commencement of construction date (no later than 30 days after such date);
- (b) Anticipated start-up date (not more than 60 days or less than 30 days prior to

such date); and

- (c) Actual start-up date (within 15 days after such date).
- (2) 40 CFR Part 63.680, Subpart DD- National Emission Standards for Hazardous Air Pollutants for Offsite Waste and Recovery operations:
 This is not applicable to the waste water treatment process at this source, (which is claimed insignificant) because it does not process any offsite waste water.
- (3) There are no other New Source Performance Standards (326 IAC 12) and 40 CFR Part 60 applicable to this facility.
- (4) National Emission Standards for hazardous Air Pollutants (NESHAPs)
 40 CFR Part 63.460, Subpart T - National Emission Standard for Halogenated Solvent Cleaning: This is not applicable to the open top vapor degreasers (claimed as insignificant), because they do not use halogenated solvents.
- (5) There are no other NESHAPs, 40 CFR Part 63, applicable to this source.

State Rule Applicability

- (1) 326 IAC 2-6 (Emission Reporting)
 This facility is not subject to 326 IAC 2-6 (Emission Reporting), because the source potential to emit PM10 is limited below 100 tons/yr.
- (2) 326 IAC 6-3 (Process Weight)

Shot Blasters	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)
BLA020	0.52	2.64
BLA021	0.52	2.64
BLA022	0.52	2.64
BLA023	0.52	2.64
BLA024	0.52	2.64
BLA025	0.52	2.64
BLA026	0.40	2.20
BLA027	0.40	2.20
BLA028	0.40	2.20
BLA029	0.4	2.2
TOTAL		24.64

The shot blasters are in compliance with the rule, because their PM controlled emissions are less than the PM allowable emissions.

- (3) 326 IAC 6-2 (Particulate Emissions Limitations for Sources of Indirect Heating)
The two (2) 17 mmBtu/hr natural gas fired boiler are subject 326 IAC 6-2 (Particulate Emissions Limitations for Sources of Indirect Heating). Pursuant to 326 IAC 6-2-4, the particulate matter (PM) emissions shall be limited using the following equation:

$$\begin{aligned} Pt &= \frac{1.09}{Q^{0.26}} \\ &= \frac{1.09}{(34)^{0.26}} \\ &= 0.436 \text{ lb/mmBtu, this PM allowable emissions shall in no case} \\ &\text{exceed 0.1 pound per million BTU heat input} \end{aligned}$$

Where:

Pt = PM allowable emissions in pounds per mmBtu (lb/mmBtu)
Q = 34 mmBtu/hr

$$\begin{aligned} \text{Allowable PM emissions} &= (0.1 \text{ lb/mmBtu}) * (34 \text{ mmBtu/hr}) * (8760 \text{ hr/yr}) \\ &\quad * (1 \text{ ton}/2000 \text{ lbs}) \\ &= 14.89 \text{ tons/year} \end{aligned}$$

The boilers are in compliance with this rule, because their PM emissions of 2 tons per year are less than the PM allowable. See page 1 of 3 TSD Appendix A for emission calculations.

- (4) 326 IAC 8-3 (Open Top Vapor Degreaser)
This rule does not apply to the degreasers, because some use non VOC solvents and some emit negligible VOC.
- (5) 326 IAC 8 (Organic Compounds)
The degreasers are the only emission source for VOC, which emit negligible amount of VOC. Therefore, the source is not subject to any other 326 IAC 8 rule.
- (6) 326 IAC 2-1-3.4 (New Source Air Toxics Control)
This rule is not applicable, because the source is not major for HAPs emissions.

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, OAM, 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 permit Section D are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate

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

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

- (a) Shot blasters baghouses shall be in operation at all times when the shot blasters are in operation.
- (b) The Permittee shall record the total static pressure drop of each baghouse used to control the PM and PM10 from the shot blasters, at least once weekly when the shot blasting is in operation. Unless operated under conditions for which the Compliance Response Plan specifies otherwise, the pressure drop across baghouses BLA 020 through BLA025 shall be maintained at a pressure drop of 2.5 inches of water or a range established during the latest stack test. Baghouses DUC040 through DUC043 shall be maintained at a pressure drop range 2 to 3 inches of water or a range established during the latest stack test. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when the pressure reading is outside of the above mentioned range for any one reading.

Air Toxic Emissions

Indiana presently requests applicants to provide information on emissions of the 187 hazardous air pollutants set out in the Clean Air Act Amendments of 1990. These pollutants are either carcinogenic or otherwise considered toxic and are commonly used by industries. They are listed as air toxics on the Office of Air Management (OAM) Construction Permit Application Form Y.

- (a) This new source will emit levels of air toxics less than those which constitute a major source according to Section 112 of the 1990 Amendments to Clean Air Act.
- (b) See page 9 of this TSD for detailed air toxic calculations.

Conclusion

The construction of this plant that remanufactures old worn out vehicle engines, transmissions, etc., will be subject to the conditions of the attached proposed **FESOP and ENSR Permit No. F-025-8935, Pit ID 025-00012**

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 10 < MM BTU/HR <100
 Small Industrial Boiler**

2 boilers @ 17 mmBtu/hr

Company Name: Jasper Engine Exchange, Inc.
Address City IN Zip: RR #1, Leavenworth, IN 47547
CP: 025-8935
Plt ID: 025-00012
Reviewer: Aida De Guzman
Date: 12/4/97

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

34.0

297.8

Emission Factor in lb/MMCF	Pollutant					
	PM 13.7	PM10 13.7	SO2 0.6	NOx 81.0	VOC 2.8	CO 35.0
Potential Emission in tons/yr	2.0	2.0	0.1	12.1	0.4	5.2

Methodology

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors for NOx: Uncontrolled = 140, Low NOx Burner = 81, Flue gas recirculation = 30

Emission Factors for CO: Uncontrolled = 35, Low NOx Burner = 61, Flue gas recirculation = 37

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

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02

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

**Appendix A: Emission Calculations
 Natural Gas Combustion Only
 MM Btu/hr 0.3 - < 10
 Commercial Boiler**

7 natural gas fired heaters

Company Name: Jasper Engine Exchange, Inc.
Address City IN Zip: RR #1, Leavenworth, IN 47547
CP: 025-8935
Plt ID: 025-00012
Reviewer: Aida De Guzman
Date: 12/4/97

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

0.8

6.8

Pollutant

	PM	PM10	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	12.0	12.0	0.6	100.0	5.3	21.0
Potential Emission in tons/yr	0.0	0.0	0.0	0.3	0.0	0.1

Methodology

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors for NOx: uncontrolled = 100, Low Nox Burner = 17, Flue gas recirculation = 36

Emission Factors for CO: uncontrolled = 21, Low NOx Burner = 27, Flue gas recirculation = ND

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

Emission Factors from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-03-006-03

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

**Appendix A: Emission Calculations
 Natural Gas Combustion Only
 MM Btu/hr 0.3 - < 10
 Commercial Boiler**

Company Name: Jasper Engine Exchange, Inc.
Address City IN Zip: RR #1, Leavenworth, IN 47547
CP: 025-8935
Plt ID: 025-00012
Reviewer: Aida De Guzman
Date: 12/4/97

4 nat. gas-fired internal combustion engines

Heat Input Capacity
MMBtu/hr

Potential Throughput
MMCF/yr

2.9

25.4

Pollutant

	PM	PM10	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	12.0	12.0	0.6	100.0	5.3	21.0
Potential Emission in tons/yr	0.2	0.2	0.0	1.3	0.1	0.3

Methodology

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors for NOx: uncontrolled = 100, Low Nox Burner = 17, Flue gas recirculation = 36

Emission Factors for CO: uncontrolled = 21, Low NOx Burner = 27, Flue gas recirculation = ND

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

Emission Factors from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-03-006-03

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

Indiana Department of Environmental Management Office of Air Management

Addendum to the Technical Support Document for Enhanced New Source Review (ENSR) and Federally Enforceable State Operating Permit (FESOP)

Source Name: Jasper Engine Exchange, Inc.
Source Location: 6400 East Industrial Lane, English, Indiana 47118
County: Crawford
FESOP No.: F-025-8935-00012
SIC Code: 3714
Permit Reviewer: Aida De Guzman

On January 28, 1998, the Office of Air Management (OAM) had a notice published in the Clarion News, English, Indiana, stating that Jasper Engine Exchange, Inc. had applied for a Federally Enforceable State Operating Permit (FESOP) to operate a plant that remanufactures old worn out vehicle engines, transmissions, etc.. The notice also stated that OAM proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On February 9, 1998, Jasper Engine Exchange, Inc. submitted comments on the proposed FESOP. The summary of the comments is as follows:

Comment 1: The address written in the application is incorrect. Please, change the sections in the proposed FESOP/ENSR that referenced to the plant's address. The correct plant's address is the following:

6400 East Industrial Lane
English, Indiana 47118

Response 1: All the sections of the proposed FESOP/ENSR that referenced to the plant's address have been corrected using the above address.

Comment 2: Operation Condition D.1.3, page 28 of 38 of the proposed FESOP/ENSR, requires recording of the amount of natural gas usage of the two (2) 17 mmBtu/hr boilers. To comply with condition D.1.1, which limits the PM emissions from these boilers to 0.1 pounds per million Btu, which is equivalent to 3.4 pounds per hour. Since these boilers are already in compliance with the rule having potential emissions of 2 tons per year that is below the limit in the rule, therefore, tracking for their natural gas usage should not be required.

Also, the source contains various other insignificant facilities, which also use natural gas. If recording of the natural gas usage will be required, installation of a meter on the boilers would be an option. However, a gas meter for only the boilers will cost approximately \$12,000 to \$15,000.

Response 2: The recording of the natural gas usage requirement in the proposed Operation Condition D.1.3, page 28 of 38 of the proposed FESOP/ENSR for the two (2) 17 mmBtu/hr boilers is required by the 40 CFR Part 60.48c(g), Reporting and Recording Requirement of Subpart Dc. Therefore, this recording requirement in the proposed FESOP will not be deleted. Recording of the natural gas usage can be accomplished using your suggested

method if a gas meter is present for the entire source, (U_{total}) minus gas metered on the cogeneration units, (U_{cogen}) = Usage from the 2 @17 mmBtu/hr boilers, $U_{2boilers}$.

In lieu of the Visible Emission Notation requirement for boilers combusting natural gas, the Natural Gas Usage Certification Form on page 35 of 38 of the proposed FESOP/ENSR must be filled out. Subsequent conditions have been re-numbered accordingly.

Comment 3: Operation Condition D.2.4 of the proposed FESOP/ENSR requires testing of all shot blaster baghouses. Each blaster is controlled by an integral dust collector, which exhausts inside the building. Manufacturer information can be supplied with these units to verify the PM and PM10 removal efficiency. Therefore, Operation Condition D.2.4 in the proposed FESOP/ENSR should be deleted. Subsequent conditions have been re-numbered accordingly.

Response 3: The information on Form F indicates that some of these blasters are vented into the atmosphere. Since this information is incorrect, the testing requirement in the proposed Operation Condition D.2.4 in the proposed FESOP/ENSR will be deleted.

Comment 4: Operation Condition 2.5(a) requires Jasper Engine to install and monitor pressure drop gauges on the baghouses. These units discharges inside the building. Any discharge of PM is easily noticed and corrected. We feel quarterly inspection requirements and constant awareness are adequate to demonstrate compliance with the PM limit. We do not see the need for pressure gauges monitoring.

Response 4: Operation Condition D.2.5 of the proposed FESOP/ENSR will be revised as follows in order that the shot blasters will demonstrate compliance with the limits in the proposed Operation Conditions D.1.2 and D.2.2:

From:

D.2.5 Baghouse Operating Parameters

The baghouses shall be operated at all times when the shotblaster being controlled is in operation.

(a) ~~The Permittee shall take readings of the total static pressure drop across the baghouses, at least once per day. Unless operated under conditions for which the Preventive Maintenance Plan specifies otherwise, the pressure drop across the bags shall be maintained within the following ranges:~~

Shotblaster Baghouse ID	Pressure Drop or Ranges (inches of water)
BLA020	2.5
BLA021	2.5
BLA022	2.5
BLA023	2.5
BLA024	2.5
BLA025	2.5
DUG040	2-3
DUG041	2-3

DUC042	2-3
DUC043	2-3

~~The Preventive Maintenance Plan for these baghouses shall contain troubleshooting contingency and corrective actions for when the pressure reading is outside of this range for any one reading.~~

- ~~(b) The instrument used for determining the pressure shall be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.~~
- ~~(c) The gauge employed to take the pressure drop across the bags or any part of the facility shall have a scale such that the expected normal reading shall be no less than 20 percent of full scale and be accurate within $\pm 2\%$ of full scale reading. The instrument shall be quality assured and maintained as specified by the vendor.~~
- (d) An inspection shall be performed each calendar quarter of the all the baghouses. Defective bags shall be replaced. A record shall be kept of the results of the inspection and the number of bags replaced.
- (e) In the event that a bag's failure has been observed:
 - (i) The affected compartments will be shut down immediately until the failed units have been replaced.
 - (ii) Based upon the findings of the inspection, any additional corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

To:

D.2.5 Baghouse Operating Parameters

- (a) The baghouses shall be operated at all times when the shotblaster being controlled is in operation.
- (b) An inspection shall be performed each calendar quarter of the all the baghouses. Defective bags shall be replaced. A record shall be kept of the results of the inspection and the number of bags replaced.
- (c) In the event that a bag's failure has been observed:
 - (i) The affected compartments will be shut down immediately until the failed units have been replaced.
 - (ii) Based upon the findings of the inspection, any additional corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

Comment 5: The shot blasters' dust collectors are not vented into the atmosphere. We do not believe that visible emissions notation still applies.

Response 5: Since the shot blasters' dust collectors are not vented into the atmosphere, the

requirements of the visible emissions notation in condition D.2.6 is no longer necessary, and will be deleted in the final FESOP/ENSR. Compliance of these blasters to the proposed Operation Conditions D.2.1, and D.2.2 can be demonstrated by the proposed Operation Condition D.2.5. Subsequent conditions have been re-numbered accordingly. However, the following Visible Emission Notation condition is still required for the wet scrubber, and numbered as D.2.7.:

D.2.7 Visible Emissions Notations

- (a) Daily visible emission notations of the molten salt bath cleaning line's wet scrubber stack exhaust shall be performed during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed.

Comment 6: The boiler certification on page 35 of the proposed FESOP/ENSR is not applicable to the boilers since they are not equipped to use alternate fuels. This requirement should be deleted in the permit.

Response 6: The boiler certification is necessary even though the boilers do not use any alternative fuel. This is only to certify that these boilers use only natural gas, and to show compliance instead of keeping records of the fuel usage.

Comment 7: There are no operation condition in the proposed FESOP/ENSR that require the source to submit a quarterly report indicating that no deviation occurred. Therefore, the Quarterly Compliance Report Form on page 38 of 38 should be deleted.

Response 7: The Quarterly Compliance Report Form on page 38 of 38 is necessary as affirmation from the source that all the requirements in the permit are met. The 1st column in this form is revised to indicate the permit conditions as D.1.1, and D.2.1.

TSD:

Comment 8: The flow rate and temperature columns for stacks ACH016 through ACH022 should be reversed as follows:

Stack ID	Gas Discharge Temperature (F)	Gas Flow Rate (acfm)
ACH016	250	38
ACH017	250	27

ACH018	250	16
ACH019	250	27
ACH020	250	38
ACH021	250	16
ACH022	250	27

Response 8: The stacks information table on pages 4 through 6 of 16 in the Technical Support Document (TSD) will not be changed as above. Putting the gas flow rate column ahead of the gas temperature column, or vice-versa will not impact the permit.

Comment 9: Page 10 of 16 for Total Potential and Allowable Emissions section of the TSD indicates that the allowable PM10 is 249.9 tons/year and the allowable PM is 40 tons per year. Since it is impossible for PM10 emissions to exceed PM emissions, please modify this statement.

Response 9: The allowable emissions were determined from the applicability of 326 IAC 6-3, and 326 IAC 6-2. These rules regulate the PM only, not the TSP, which includes both PM and PM10. PM10 are not always less than PM or equal to PM due to the possibility of some gases condensing to form PM10 at a temperature lower than the exhaust temperature. Therefore, the **Total Potential and Allowable Emissions** section on page 10 of 16 section of the TSD will stay the same.

Comment 10: Page 12 of 16 item (b) of the TSD states that the allowable emissions for the rules cited are less than the potential emissions and therefore, used for permitting determination. However, potential emissions from the boilers are less than the allowable calculated using 326 IAC 6-2. The potential PM emissions of 2 tons/year from these boilers is less than the allowable in the rule at 0.1 pounds/mmBtu, which is equivalent to 14.9 tons/year.

Response 10: The **Total Potential and Allowable Emissions** section on page 10 of 16 of the TSD, will be revised as follows (The changes are bolded for emphasis):

From:

Pollutant	Allowable Emissions (tons/year)	Potential Emissions (tons/year)
Particulate Matter (PM)	40.0	331.6
Particulate Matter (PM10)	242.9	242.9
Sulfur Dioxide (SO ₂)	0.1	0.1
Volatile Organic Compounds (VOC)	0.85	0.85
Carbon Monoxide (CO)	5.6	5.6
Nitrogen Oxides (NO _x)	22.4	22.4
Single Hazardous Air Pollutant (HAP)	negligible	negligible
Combination of HAPs	negligible	negligible

(a) Allowable emissions are determined from the applicability of rule 326 IAC 6-3, and 6-2). The following facilities shall have an allowable PM emissions using the following equation:

326 IAC 6-3: (Process Weight)

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

Where: E = PM allowable emissions, lb/hr
 P = Process weight rate, ton/hr

Table 4

Shot Blasters	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)
BLA020	0.52	2.64
BLA021	0.52	2.64
BLA022	0.52	2.64
BLA023	0.52	2.64
BLA024	0.52	2.64
BLA025	0.52	2.64
BLA026	0.40	2.20
BLA027	0.40	2.20
BLA028	0.40	2.20
BLA029	0.4	2.2
TOTAL		24.64

Table 5

Welding Type	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)
MIG	0.01	0.2
Stick	0.0032	0.1
TOTAL		0.3

326 IAC 6-2: (Indirect Heating Facilities)

The two (2) 17 mmBtu/hr boilers are subject to this rule. This rule mandates a PM allowable emissions of 0.1 pounds per mmBtu, which is equivalent to 3.4 pounds per hour, for Q greater than or equal to 10,000 mmBtu/hr.

- (b) The allowable emissions based on the rules cited are less than the potential emissions, therefore, the allowable emissions are used for the permitting determination.
- (c) Allowable emissions (as defined in the Indiana Rule) of PM, PM10 and NOx are greater than 25 tons per year. Therefore, pursuant to 326 IAC 2-1, Sections 1 and 3, a construction permit is required.

To:

Pollutant	Shotblasters		Welding		Salt Bath		Oxyacetylene		Natural Gas Boilers		Natural Gas Engines	
	Potential Emission	Allowable Emission	Potential Emission	Allowable Emission	Potential Emission	Allowable Emission						
PM	329	107.9	0.43	1.3	78.3	72.4	0.085	0.085	2	14.9	0.13	0.13
VOC	-	-	-	-	9.25	9.25	-	-	0.4	0.4	1.06	1.06
SO2	-	-	-	-	-	-	-	-	0.1	0.1	0.008	0.008

NOx	-	-	-	-	-	-	-	-	12.1	12.1	43.2	43.2	2.2	2.2	57.5	57.5
CO	-	-	-	-	-	-	-	-	5.2	5.2	5.5	5.5	0.5	0.5	11.2	11.2
HAPs	-	-	-	-	9.25	9.25	-	-	-	-	-	-	-	-	9.25	9.25

Pollutant	Allowable Emissions (tons/year)	Potential Emissions (tons/year)
Particulate Matter (PM)	197	410
Sulfur Dioxide (SO ₂)	0.12	0.12
Volatile Organic Compounds (VOC)	10.8	10.8
Carbon Monoxide (CO)	11.2	11.2
Nitrogen Oxides (NO _x)	57.5	57.5
Single Hazardous Air Pollutant (HAP)	negligible	negligible
Combination of HAPs	9.25	9.25

- (a) Allowable emissions are determined from the applicability of rule 326 IAC 6-3, and 6-2). The following facilities shall have an allowable PM emissions using the following equation:

326 IAC 6-3: (Process Weight)

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

Where: E = PM allowable emissions, lb/hr
 P = Process weight rate, ton/hr

Table 4

Shot Blasters	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)
BLA020	0.52	2.64
BLA021	0.52	2.64
BLA022	0.52	2.64
BLA023	0.52	2.64
BLA024	0.52	2.64
BLA025	0.52	2.64

BLA026	0.40	2.20
BLA027	0.40	2.20
BLA028	0.40	2.20
BLA029	0.4	2.2
TOTAL		24.64

Table 5

Welding Type	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)
MIG	0.01	0.2
Stick	0.0032	0.1
TOTAL		0.3

Salt Bath Cleaning Line:

$$P = 16,000 \text{ lb/hr}$$

$$= 8 \text{ ton/hr}$$

$$E = 4.10 (8)^{0.67}$$

$$= 16.5 \text{ lb/hr}$$

$$= 72.4 \text{ ton/yr}$$

326 IAC 6-2: (Indirect Heating Facilities)

The two (2) 17 mmBtu/hr boilers are subject to this rule. This rule mandates a PM allowable emissions of 0.1 pounds per mmBtu, which is equivalent to 3.4 pounds per hour, for Q greater than or equal to 10,000 mmBtu/hr.

- (b) The allowable emissions based on the rule cited **for the shotblasters, welding and the salt bath cleaning facilities** are less than the potential emissions, therefore, the allowable emissions for **these facilities** are used for the permitting determination.
- (c) **The potential emissions for the two (2) boilers are less than the allowable emissions, based on the rule cited therefore, the potential emissions for these boilers are used for the permitting determination.**
- (d) Allowable emissions (as defined in the Indiana Rule) of PM and PM10 are greater than 25 tons per year. Therefore, pursuant to 326 IAC 2-1, Sections 1 and 3, a construction permit is required.

The change will result in a revision of the Operation Condition D.2.2 as follows (changes are bolded for emphasis):

From:

D.2.2 PM Allowable Emissions [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the following facilities shall not exceed the following PM emissions:

Shot Blasters	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)

BLA020	0.52	2.64
BLA021	0.52	2.64
BLA022	0.52	2.64
BLA023	0.52	2.64
BLA024	0.52	2.64
BLA025	0.52	2.64
BLA026	0.40	2.20
BLA027	0.40	2.20
BLA028	0.40	2.20
BLA029	0.4	2.2
TOTAL		24.64

The above allowable PM emissions shall be determined using the following equation:

$E = 4.10P^{0.67}$ where: E = rate of emission in pounds per hour,
 P = process weight in tons per hour, if
 P is equal to or less than 60,000 lbs/hr (30 tons/hr)

To:

D.2.2 PM Allowable Emissions [326 IAC 6-3]

Pursuant to 326 IAC 6-3 (Process Operations), the following facilities shall not exceed the following PM emissions:

(a)

Shot Blasters	Process Weight (ton/hr)	PM Allowable Emissions (lb/hr)
BLA020	0.52	2.64
BLA021	0.52	2.64
BLA022	0.52	2.64
BLA023	0.52	2.64
BLA024	0.52	2.64
BLA025	0.52	2.64
BLA026	0.40	2.20
BLA027	0.40	2.20
BLA028	0.40	2.20
BLA029	0.4	2.2
TOTAL		24.64

(b) The salt bath cleaning line’s PM emissions shall be limited to 16.5 pounds per hour.

The above allowable PM emissions in **items (a) and (b) of this condition** shall be determined using the following equation:

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

where: E = rate of emission in pounds per hour,
P = process weight in tons per hour, if
P is equal to or less than 60,000 lbs/hr (30 tons/hr)

No testing will be required from the salt bath cleaning line because its potential emissions before control at 19% of the total source potential emissions before control, is less than the 40%, which is required for a compliance test.

The Compliance Monitoring Requirements for the salt bath cleaning line is as follows and will be numbered D.2.6, all subsequent conditions will be renumbered accordingly:

D.2.6 Scrubber Operating Parameters

The scrubber (KOL015) shall be operated at all times when the salt bath cleaning line is in operation.

- (a) The Permittee shall monitor and record the pressure drop and flow rate of the scrubber, at least once per week. The Preventive Maintenance Plan for the scrubber shall contain troubleshooting contingency and corrective actions for when the acid content, pressure drop and flow rate readings are outside of the normal range for any one reading.
- (b) The instruments used for determining the pressure drop and flow rate shall be subject to approval by IDEM, OAM, and shall be calibrated at least once every six (6) months.
- (c) The gauge employed to take the pressure drop across the scrubber or any part of the facility shall have a scale such that the expected normal reading shall be no less than 20 percent of full scale and be accurate within $\pm 2\%$ of full scale reading. The instrument shall be quality assured and maintained as specified by the vendor.
- (d) An inspection shall be performed each calendar quarter of the scrubber. Defective scrubber part(s) shall be replaced. A record shall be kept of the

results of the inspection and the number of scrubber part(s) replaced.

- (e) In the event that a scrubber's failure has been observed:
 - (i) The affected process will be shut down immediately until the failed unit has been replaced.
 - (ii) Based upon the findings of the inspection, any additional corrective actions will be devised within eight (8) hours of discovery and will include a timetable for completion.

Limited Potential To Emit

The source has accepted a limit on potential to emit of 99 tons of PM10 per twelve month period. Compliance with the PM10 PTE is achieved by using the dust collectors for the shotblasters and the wet scrubber for the salt bath cleaning line.

Comment 11: The 17 mmBtu/hr boilers are equipped with low NOx burners. Please use the emission factors intended for low Nox burners.

Response 11: Page 1 of 3 TSD, Appendix A, emission spreadsheet will be revised as follows using the NOx emission factor of 81.0 lb/MMCF intended for low Nox burners, instead of 140 lb/MMCF:

Pollutant	Throughput (MMCF/yr)	Emission Factor (lb/MMCF)	Rate of Emissions (ton/yr)
PM = PM10	297.8	13.7	2.0
SO2	297.8	0.6	0.1
NOx	297.8	81.0	12.1
VOC	297.8	2.8	0.4
CO	297.8	35.0	5.2

Methodology:

Throughput, MCF/yr = heat input, mmBtu/hr * 8760 hr/yr * MMCF/1000 mmBtu
 Emissions, ton/yr = throughput, MMCF/yr * ef, lb/MMCF * ton/2000 lb

Comment 12: Page 3 of 3 TSD, Appendix A, emission factors for commercial boilers were incorrectly used for the natural gas fired internal combustion reciprocating cogeneration engines in this application.

Response 12: Page 3 of 3 TSD, Appendix A, will be revised using emission factors intended for the natural gas fired internal combustion reciprocating cogeneration engines. Page 3 of 3 TSD Appendix A for the four (4) natural gas engines, each with a heat input capacity of 0.725 mmBtu/hr is revised using the emission factors found in FIRE, SCC# 2-02-002-04 as follows:

Pollutant	Throughput (MMCF/yr)	Emission Factor (lb/MMCF)	Emission Rate (ton/yr)
PM = PM10	25.4	10	0.13
SO2	25.4	0.6	0.008
NOx	25.4	3400	43.2
VOC	25.4	82.9	1.06
CO	25.4	430	5.5

Methodology:

Emissions = Throughput, MMCF/yr * ef, lb/MMCF * ton/2000 lb

Comment 13: The molten salt bath cleaning line, consists of the following eight (8) tanks:

- (a) Tank KOL013, with a capacity of 1,200 gallons, using molten salt for cleaning,
- (b) Tank KOL014, with a capacity of 1,200 gallons, using molten salt for cleaning,
- (c) Tank KOL021, with a capacity of 1,800 gallons is used for quenching,
- (d) Tank KOL022 with a capacity of 1,800 gallons is used for hot rinsing,
- (e) Tanks KOL016 and KOL017, each has a capacity of 1,200 gallons and are used for acid derust,
- (f) Tank KOL018 with a capacity of 1,200 is used for acid rinsing,
- (g) Tank KOL019 with a capacity of 1,200 is used for alkaline derusting, and
- (h) Tank KOL20 with a capacity of 1,200 is used for alkaline rinsing.

Each Tank KOL013 and KOL014 is heated by a 2.5 mmBtu/hr natural gas burners. The cleaning of parts from this cleaning line generates PM and VOC emissions from the catalytic breakdown of various oils and lubricants from the parts. VOC emission calculations were provided which were based from mass balance, and testing done on a similar salt bath line.

Response 13: The description of this cleaning line on page 5 of 38 of the proposed FESOP/ENSR will be revised to reflect your description. The natural gas burners with total heat input of 5 mmBtu/hr for the salt bath cleaning line will be considered and listed under the insignificant activities. The process emissions from this line will use the emission factor of 0.001117 pound of PM/pound of parts processed, and 0.0000132 pound of VOC/pound of parts processed, which you provided based from mass balance and VOC emission testing, since there are no emission factors available in the AP 42 and FIRE. The emissions are as follows:

Natural Gas Burners Emissions:

Pollutant	Throughput (MMCF/yr)	Emission Factor (lb/MMCF)	Emission Rate (ton/yr)
PM = PM10	43.8	12	0.3
SO2	43.8	0.6	0.013
NOx	43.8	100	2.2
VOC	43.8	5.3	0.1
CO	43.8	21	0.5

Methodology:

Throughput = heat input capacity, mmBtu/hr * 8760 hr/yr * MMCF/1000 mmBtu
 Emissions = Throughput, MMCF/yr * ef, lb/MMCF * ton/2000 lb

Salt Bath Line Emissions:

The PM from this process is controlled by a scrubber, with a control efficiency of 98%

Pollutant	Processed Throughput (lb/hr)	Emission Factor (lb/lb)	Uncontrolled Emission Rate (ton/yr)	Controlled Emission Rate (ton/yr)
PM = PM10	16,000	0.001117	78.3	1.6
SO2	16,000	-	0.0	0.0
NOx	16,000	-	0.0	0.0
VOC	16,000	0.000132	9.25	9.25
CO	16,000	-	0.0	0.0
HAPs	16,000	0.000132	9.25	9.25

Upon further review, OAM has made the following changes (changes are bolded for emphasis).

SECTION B

(1) Operation Condition B.12 originally proposed as follows:

B.12 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

-
- (a) The Permittee shall annually certify that the source has complied with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The certification 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:

To as follows:

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. The certification 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:

SECTION C

- (2) Operation Condition C.2 originally proposed as follows:

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Visible emissions shall not exceed an average of forty percent (40%) opacity in twenty-four (24) consecutive readings as determined by 326 IAC 5-1-4,
- (b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) in a six (6) hour period.

This condition is not federally enforceable.

To as follows: The following statement as been deleted, "This condition is not federally enforceable."

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions shall meet the following, unless otherwise stated in this permit:

- (a) Visible emissions shall not exceed an average of forty percent (40%) opacity in twenty-four (24) consecutive readings as determined by 326 IAC 5-1-4,
- (b) Visible emissions shall not exceed sixty percent (60%) opacity for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) in a six (6) hour period.

- (3) Operation Condition C.3 (Open Burning) originally proposed:

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

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

To as follows:

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

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. **326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.**

- (4) Operation Condition C.4 (Incineration) originally proposed as follows:

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

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

To as follows. The following statement as been deleted, "This condition is not federally enforceable."

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

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

- (5) Operation Condition C.5 originally proposed as follows:

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

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

To as follows:

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

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

- (6) Operation Condition C.17 (General Reporting Requirements) originally proposed as follows:

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

- (a) 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 Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015

- (b) 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, OAM, on or before the date it is due.
- (c) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period.

- (d) All instances of deviations must be clearly identified in such reports. A reportable deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:
- (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
 - (2) An emergency as defined in 326 IAC 2-7-1(12); or
 - (3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.
 - (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred or failure to monitor or record the required compliance monitoring is a deviation.

- (e) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (f) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.

C.17 (General Reporting Requirements) part (a) and (b) has been revised and the rest of the condition has been re-lettered as follows:

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

- (a) **To affirm that the source has met all the requirements stated in this permit the source shall submit a Quarterly Compliance Report. Any deviation from the requirements and the date(s) of each deviation must be reported.**
- (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 Management
100 North Senate Avenue, P. O. Box 6015
Indianapolis, Indiana 46206-6015**
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAM, on or before the date it is due.
- (d) Unless otherwise specified in this permit, any quarterly report shall be submitted within thirty (30) days of the end of the reporting period.
- (e) All instances of deviations must be clearly identified in such reports. A reportable deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit or a rule. It does not include:

- (1) An excursion from compliance monitoring parameters as identified in Section D of this permit unless tied to an applicable rule or limit; or
- (2) An emergency as defined in 326 IAC 2-7-1(12); or
- (3) Failure to implement elements of the Preventive Maintenance Plan unless lack of maintenance has caused or contributed to a deviation.
- (4) Failure to make or record information required by the compliance monitoring provisions of Section D unless such failure exceeds 5% of the required data in any calendar quarter.

A Permittee's failure to take the appropriate response step when an excursion of a compliance monitoring parameter has occurred or failure to monitor or record the required compliance monitoring is a deviation.

- (f) Any corrective actions or response steps taken as a result of each deviation must be clearly identified in such reports.
- (g) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period.