



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant
DATE: January 26, 2006
RE: Jasper Engine Exchange, Inc. / 037-22015-00089
FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-MOD.dot 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

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January 26, 2006

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

Re: 037-22015-00089
Minor Source Modification to:
Part 70 permit No.: T037-17555-00089

Dear Mr. Calvert:

Jasper Engine Exchange, Inc. was issued a Part 70 permit on April 1, 2004, for the operation of a stationary engine, transmission and differential parts remanufacturing plant. An application to modify the source was received by the Office of Air Quality (OAQ) on November 10, 2005. Pursuant to the provisions of 326 IAC 2-7-10.5(d), a minor source modification to this permit is hereby approved as described in the attached Technical Support Document.

The modification includes the following:

- (a) Adding the following activities with uncontrolled potential emissions below exemption level that were inadvertently omitted from the Part 70 permit renewal T037-17555-00089:
 - (1) three (3) sodium bicarbonate blast cabinets identified as BLA030, BLA031, and BLA032, all controlled by dust collector designated as DUC045;
 - (2) one (1) sodium bicarbonate blast cabinet identified as BLA033 controlled by a baghouse designated as DUC027;
 - (3) one (1) sodium bicarbonate blast cabinet identified as BLA034 controlled by dust collector designated as DUC045;
 - (4) three (3) abrasive blasters using coal slag (Black Beauty) media with ID numbers of BLA008, BLA041, and BLA059.

The total uncontrolled potential to emit of PM/PM-10 from the above activities is 4.5 tons per year (see Appendix A: page 1 of 5). These potential emissions are less than the exemption threshold as described in 326 IAC 2-1.1-3(e)(1)(A).

- (b) Adding one (1) air atomization paint spray booth to be constructed in 2006, identified as PTB012, capable of painting a maximum of four (4) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB012.
- (c) Replacing one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN002, with a rated heat input of 10.5 mmBtu/hr and a rated output of 1500 HP with one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN056, to be installed in 2006, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP.

- (d) Adding one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN057, to be installed in 2006, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP.
- (e) Removing one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN004, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP.
- (f) Adding eleven (11) degreasing units, identified as SCT501-SCT511, to be constructed in 2006. [326 IAC 8-3-5]
- (g) Adding one (1) plastic bead abrasive blasting unit, identified as BLA-501, to be installed in 2006, equipped with a baghouse for particulate control, identified as BLA-501, exhausting inside the building, capacity: 116 pounds of abrasive per hour.
- (h) Adding one (1) aluminum oxide abrasive blasting unit, identified as BLA-502, to be installed in 2006, equipped with a baghouse for particulate control, identified as DUC-013, exhausting inside the building, capacity: 315 pounds of abrasive per hour.
- (i) Adding three (3) armex empire blasting units, identified as BLA-503, BLA-504 and BLA-505, each to be installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503, DUC-504 and DUC-505, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each.
- (j) Adding two (2) steel shot peener units, identified as BLA-506 and BLA-507, both to be installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 600 pounds of abrasive per hour, each.
- (k) Adding enforceable permit conditions to their Title V permit limiting source-wide HAP emissions below major thresholds, and deleting all conditions in Section D.1 relating to 40 CFR 63, Subpart Mmmm applicability.

The following construction conditions are applicable to the proposed project:

General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

The source may begin construction and modification when the minor source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit as a significant permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Alic Bent at (973) 575-2555, ext. 3206 or dial (800) 451-6027, and ask for extension 3-6878.

Sincerely,
Origin signed by

Paul Dubenetzky, Assistant Commissioner
Office of Air Quality

Attachments

AB/EVP

cc: File - Dubois County
U.S. EPA, Region V
Air Compliance Section Inspector – Gene Kelso
Compliance Data Section
Administrative and Development
Technical Support and Modeling



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PART 70 OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

**Jasper Engine Exchange, Inc.
 815 Wernsing Road
 Jasper, Indiana 47547**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 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.: T037-17555-00089	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: April 1, 2004 Expiration Date: April 1, 2009
First Significant Permit Modification No.: 037-15567-00089 Issuance Date: February 23, 2005	
Second Significant Permit Modification No.: 037-19033-00089 Issuance Date: March 15, 2005	
Minor Source Modification No.: 037-22015-00089	Pages Affected: 1, 5, 6, 7, 25 - 37 and 42
Issued by: Origin signed by Paul Dubenetzky, Assistant Commissioner Office of Air Quality	Issuance Date: January 26, 2006 Expiration Date: April 1, 2009

SECTION A

SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary engine, transmission and differential parts remanufacturing plant.

Responsible Official:	Vice President
Source Address:	815 Wernsing Road, Jasper, Indiana 47547
Mailing Address:	P. O. Box 650, Jasper, IN 47547-0650
General Source Phone Number:	(812) 482-1041
SIC Code:	3714
County Location:	Dubois
Source Location Status:	Nonattainment for PM2.5 Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD and Emission Offset Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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

- (a) one (1) air atomization paint spray booth constructed in 1965, identified as Engine Booth, capable of painting a maximum of thirty (30) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB001;
- (b) one (1) air atomization paint spray booth constructed in 1978, identified as Stern Drive Booth, capable of painting a maximum of three (3) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB002;
- (c) one (1) air atomization paint spray booth constructed in 1994, identified as Radiator Booth, capable of painting a maximum of ten (10) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB003;
- (d) one (1) air atomization paint spray booth constructed in 1970, identified as Diesel Engine Booth, capable of painting a maximum of three (3) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB004;
- (e) one (1) air atomization paint spray booth constructed in 1965, identified as Transmission Booth, capable of painting a maximum of twenty (20) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB005;
- (f) one (1) air atomization paint spray booth, constructed in 2003, identified as PTB-007, capable of painting a maximum of thirty (30) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PB007;

- (g) thirteen (13) natural gas fired reciprocating internal combustion engines, identified as ACO008 through ACO011, CGN001 through CGN008 and CGN011, each with a rated heat input of 0.725 million British thermal units per hour (mmBtu/hr) and a rated output of 102 horse power (HP);
- (h) two (2) #2 diesel fuel fired reciprocating internal combustion engines, identified as DYN001 and DYN003, each with a rated heat input of 10.5 mmBtu/hr and a rated output of 1500 HP;
- (i) one (1) natural gas fired reciprocating internal combustion engine, identified as DYN033, with a rated heat input of 1.75 mmBtu/hr and a rated output of 250 HP;
- (j) one (1) natural gas fired reciprocating internal combustion engine, identified as DYN008, using gasoline as back-up fuel, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP;
- (k) two (2) natural gas fired reciprocating internal combustion engines, identified as DYN010 and DYN018, each with a rated heat input of 0.84 mmBtu/hr and a rated output of 120 HP;
- (l) one (1) natural gas fired reciprocating internal combustion engine, identified as DYN028, using gasoline as back-up fuel, with a rated heat input of 10.5 mmBtu/hr and a rated output of 1500 HP;
- (m) one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN056, installed in 2006, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP;
- (n) one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN057, installed in 2006, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP;
- (o) two (2) baghouses, identified as DUC051 and DUC052, each with a gas flow rate of greater than 4,000 actual cubic foot per minute, for controlling grinding and machining operations with an uncontrolled potential particulate emissions of greater than 25 pounds per day;
- (p) one (1) soda blasting unit, identified as BLA-037, equipped with a baghouse for particulate control, identified as BLA-037, exhausting inside the building, capacity: 60 units per hour
- (q) one (1) plastic bead abrasive blasting unit, identified as BLA-501, installed in 2006, equipped with a baghouse for particulate control, identified as BLA-501, exhausting inside the building, capacity: 116 pounds of abrasive per hour.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
 - (1) one (1) natural gas fired boiler, rated at 4.5 mmBtu/hr, constructed in 1993; [326 IAC 6.5-1-2]

- (b) twenty-four (24) degreasing units, identified as D271-CLT21, D264-CLT054, G266-CLT056, I261, T264-CLT095, T263-CLT137, G273-CLT017, G274-CLT019, G271-CLT043, D262-CLT080, G264-CLT083, G276-CLT042, T268-CLT0126, and SCT501 through SCT511 constructed after July 1, 1990; [326 IAC 8-3-5]
- (c) five (5) degreasing units, identified as G263-CLT038, G272-CLT018, D268-CLT020, D270-PEQ011 and D265-CLT053, constructed after January 1, 1980 and prior to July 1, 1990; [326 IAC 8-3-2]
- (d) five (5) baghouses, identified as BLA007, BLA009, BLA011, BLA017 and BLA018, each with design outlet grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate of less than or equal to 4,000 actual cubic foot per minute, for controlling the sand blasting operations; [326 IAC 6.5-1-2]
- (e) five (5) baghouses, identified as DUC001, DUC002, DUC015, DUC021 and DUC027 each with design outlet grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate of less than or equal to 4,000 actual cubic foot per minute, for controlling the grinding and machining operations, including deburring, buffing, polishing and abrasive blasting; [326 IAC 6.5-1-2]
- (f) two (2) baghouses (ID Nos. DUC006 and DUC029), each with a gas flow rate of greater than 4,000 actual cubic foot per minute, for controlling grinding and machining operations with uncontrolled potential particulate emissions of less than 25 pounds per day; [326 IAC 6.5-1-2]
- (g) twelve (12) natural gas fired reciprocating internal combustion engines, identified as GTS001 through GTS012, each with a rated heat input of 0.088 mmBtu/hr and a rated output of 12.57 HP; [326 IAC 2-2]
- (h) one (1) aluminum oxide abrasive blasting unit, identified as BLA-502, installed in 2006, equipped with a baghouse for particulate control, identified as DUC-013, exhausting inside the building, capacity: 315 pounds of abrasive per hour; [326 IAC 6.5-1-2]
- (i) three (3) armex empire blasting units, identified as BLA-503, BLA-504 and BLA-505, each installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503, DUC-504 and DUC-505, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each; [326 IAC 6.5-1-2]
- (j) two (2) steel shot peener units, identified as BLA-506 and BLA-507, both installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 600 pounds of abrasive per hour, each; and [326 IAC 6.5-1-2]
- (k) one (1) air atomization paint spray booth, constructed in 2006, identified as PTB012, capable of painting a maximum of four (4) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB012. [326 IAC 6.5-1-2]

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION D.1

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

- (a) one (1) air atomization paint spray booth constructed in 1965, identified as Engine Booth, capable of painting a maximum of thirty (30) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB001;
- (b) one (1) air atomization paint spray booth constructed in 1978, identified as Stern Drive Booth, capable of painting a maximum of three (3) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB002;
- (c) one (1) air atomization paint spray booth constructed in 1994, identified as Radiator Booth, capable of painting a maximum of ten (10) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB003;
- (d) one (1) air atomization paint spray booth constructed in 1970, identified as Diesel Engine Booth, capable of painting a maximum of three (3) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB004;
- (e) one (1) air atomization paint spray booth constructed in 1965, identified as Transmission Booth, capable of painting a maximum of twenty (20) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB005;
- (f) one (1) air atomization paint spray booth, constructed in 2003, identified as PTB-007, capable of painting a maximum of thirty (30) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB007;

Insignificant Activity:

- (k) one (1) air atomization paint spray booth, constructed in 2006, identified as PTB012, capable of painting a maximum of four (4) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB012. [326 IAC 6.5-1-2]

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9, the Permittee shall not allow the discharge into the atmosphere of VOC in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, for forced warm air dried coatings, as delivered to the applicator at the Radiator Booth.

D.1.2 Volatile Organic Compound (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (f), all solvents sprayed from the application equipment of the Radiator Booth during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

D.1.3 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-1-6] [326 IAC 8-2-9]

- (a) Pursuant T037-7736-00089, issued on December 31, 1998, any change or modification to the Engine, Stern Drive, Diesel Engine or Transmission Booths that may increase the VOC usages to 25 tons per year must be approved by the Office of Air Quality (OAQ) before such change can occur.

- (b) Any change or modification to booths PTB-007 and PTB012 that may increase actual VOC emissions from either unit to 15 lbs/day or more must be approved by the Office of Air Quality (OAQ) before such change can occur.

D.1.4 Particulate Matter (PM) (326 IAC 6.5-1-2)

Pursuant to 326 IAC 6.5-1-2(a)(Dubois County Particulate Limitations), particulate matter (PM) emissions from the seven (7) paint booths (Engine, Stern Drive, Radiator, Diesel Engine, Transmission Booths and PTB-007) shall be limited to 0.03 grains per dry standard cubic foot of exhaust air as follows:

Process/Facility	Exhaust Flow Rate (dscfm)	326 IAC 6.5-1-2 PM Allowable Emissions (lb/hr)
Engine Booth	18,000	4.63
Stern Drive Booth	9,600	2.47
Radiator Booth	5,300	1.36
Diesel Engine Booth	18,000	4.63
Transmission Booth	18,000	4.63
PTB-007	1,500	0.386
PTB012	1,500	0.386

D.1.5 NESHAP Minor Limit [40 CFR Part 63, Subpart A] [40 CFR Part 63, Subpart M] [326 IAC 20-1]

The usage of total combination of HAPs and any single HAP at the surface coating processes shall be limited to less than 22 and 9 tons per twelve (12) consecutive month period, respectively. Compliance with these limits shall limit source-wide emissions of total combination of HAPs and any single HAP to less than 25 and 10 tons per twelve (12) consecutive month period, respectively.

Compliance Determination Requirements

D.1.6 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs)

Compliance with the VOC and HAP content and usage limitations contained in Conditions D.1.1, D.1.2 and D.1.5 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.7 Particulate Control

In order to comply with D.1.4, the dry filters for particulate control shall be in operation and control emissions from the seven (7) paint booths at all times that the booths are in operation.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.8 Monitoring

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (PTB001 - PTB005, PTB007 and PTB012) while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.9 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1, D.1.2 and D.1.5, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC and HAP usage limits and/or the VOC and HAP emission limits established in Conditions D.1.1 and D.1.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The VOC and HAP content of each coating material and solvent used.
 - (2) The amount of coating material and solvent less water used on monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.
 - (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
 - (3) The cleanup solvent usage for each month;
 - (4) The total VOC and HAP usage for each month; and
 - (5) The weight of VOCs and HAPs emitted for each compliance period.
- (b) To document compliance with Condition D.1.3, the Permittee shall maintain records of the VOC usage.
- (c) To document compliance with Condition D.1.9, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.5 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

- (g) thirteen (13) natural gas fired reciprocating internal combustion engines, identified as ACO008 through ACO011, CGN001 through CGN008 and CGN011, each with a rated heat input of 0.725 million British thermal units per hour (mmBtu/hr) and a rated output of 102 horse power (HP);
- (h) two (2) #2 diesel fuel fired reciprocating internal combustion engines, identified as DYN001 and DYN003, each with a rated heat input of 10.5 mmBtu/hr and a rated output of 1500 HP;
- (i) one (1) natural gas fired reciprocating internal combustion engine, identified as DYN033, with a rated heat input of 1.75 mmBtu/hr and a rated output of 250 HP;
- (j) one (1) natural gas fired reciprocating internal combustion engine, identified as DYN008, using gasoline as back-up fuel, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP;
- (k) two (2) natural gas fired reciprocating internal combustion engines, identified as DYN010 and DYN018, each with a rated heat input of 0.84 mmBtu/hr and a rated output of 120 HP;
- (l) one (1) natural gas fired reciprocating internal combustion engine, identified as DYN028, using gasoline as back-up fuel, with a rated heat input of 10.5 mmBtu/hr and a rated output of 1500 HP;
- (m) one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN056, installed in 2006, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP;
- (n) one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN057, installed in 2006, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP;

Insignificant Activities:

- (g) twelve (12) natural gas fired reciprocating internal combustion engines, identified as GTS001 through GTS012, each with a rated heat input of 0.088 mmBtu/hr and a rated output of 12.57 HP. [326 IAC 2-2]

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Volatile Organic Compounds (VOC), Nitrogen Oxides (NOx) and Carbon Monoxide (CO) Emissions [326 IAC 2-2]

The source shall limit fuel usages for reciprocating internal combustion engines as follows:

- (a) Natural gas usages for all reciprocating internal combustion engines are limited at 119.7 million standard cubic feet per 12 consecutive month period with compliance determined at the end of each month.
- (b) #2 diesel fuel usages for all reciprocating internal combustion engines are limited at 100,000 gallons per 12 consecutive month period with compliance determined at the end of each month.

- (c) Gasoline usages for all reciprocating internal combustion engines are limited at 10,000 gallons per 12 consecutive month period with compliance determined at the end of each month.

These fuel usage limits shall limit source wide potential to emit of VOC, NOx and CO to less than 250 tons per year each. Therefore, the requirements of 326 IAC 2-2 (PSD) are not applicable.

Compliance Determination Requirements

D.2.2 Fuel Usages

Compliance with Condition D.2.1 shall be determined at the end of each month based on total natural gas, #2 diesel fuel and gasoline usages since last compliance determination period.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.3 Record Keeping Requirements

- (a) To document compliance with Condition D.2.1, the Permittee shall maintain records of the monthly natural gas, #2 diesel fuel and gasoline usages by all reciprocating internal combustion engines at the source.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.4 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.3

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

- (o) two (2) baghouses, identified as DUC051 and DUC052, each with a gas flow rate of greater than 4,000 actual cubic foot per minute, for controlling grinding and machining operations with an uncontrolled potential particulate emissions of greater than 25 pounds per day;
- (p) one (1) soda blasting unit, identified as BLA-037, equipped with a baghouse for particulate control, identified as BLA-037, exhausting inside the building, capacity: 60 units per hour.
- (q) one (1) plastic bead abrasive blasting unit, identified as BLA-501, installed in 2006, equipped with a baghouse for particulate control, identified as BLA-501, exhausting inside the building, capacity: 116 pounds of abrasive per hour.

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Particulate [326 IAC 6.5-1-2]

- (a) Pursuant to 326 IAC 6.5-1-2, particulate matter emissions from the grinding and machining operations controlled by two (2) baghouses, identified as DUC051 and DUC052, shall each not exceed 0.03 grains per dry standard cubic foot.
- (b) Pursuant to 326 IAC 6.5-1-2, particulate matter emissions from the one (1) soda blasting unit, identified as BLA-037, shall not exceed 0.03 grains per dry standard cubic foot.
- (c) Pursuant to 326 IAC 6.5-1-2, particulate matter emissions from the one (1) plastic bead abrasive blasting unit, identified as BLA-501, shall not exceed 0.03 grains per dry standard cubic foot.

D.3.2 Opacity [326 IAC 2-7-10.5]

Pursuant to T037-7736-00089, issued on December 31, 1998 and 326 IAC 2-7-10.5, there shall be no visible emissions (zero percent opacity) from the one (1) soda blasting unit, identified as BLA-037, when venting inside the building.

Compliance Determination Requirement

D.3.3 Particulate Control

- (a) In order to comply with D.3.1, the baghouses for particulate control shall be in operation and control emissions from the grinding and machining operations, the one (1) soda blasting unit (BLA-037), and one (1) plastic bead abrasive blasting unit, identified as BLA-501 at all times that the units are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.4 Visible Emissions Notations

- (a) Once per day visible emission notations of the grinding and machining, the one (1) soda blasting unit (BLA-037), and one (1) plastic bead abrasive blasting unit, identified as BLA-501 stack exhausts shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.3.5 Parametric Monitoring

The Permittee shall record the pressure drop across the baghouses used in conjunction with the grinding and machining process, the one (1) soda blasting unit (BLA-037), and one (1) plastic bead abrasive blasting unit, identified as BLA-501, at least once per day when the processes are in operation when exhausting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.3.6 Broken or Failed Bag Detection

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

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

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.7 Record Keeping Requirements

- (a) To document compliance with Condition D.3.4, the Permittee shall maintain records of visible emission notations of the grinding and machining, one (1) soda blasting unit and one (1) plastic bead abrasive blasting unit, identified as BLA-501, stack exhaust once per day when exhausting to the atmosphere.
- (b) To document compliance with Condition D.3.5, the Permittee shall maintain records once per day of the pressure drop during normal operation when exhausting to the atmosphere.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

SECTION D.4

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

Insignificant Activities:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour:
 - (1) one (1) natural gas fired boiler, rated at 4.5 mmBtu/hr, constructed in 1993; [326 IAC 6-2-4]
- (b) twenty-four (24) degreasing units, identified as D271-CLT21, D264-CLT054, G266-CLT056, I261, T264-CLT095, T263-CLT137, G273-CLT017, G274-CLT019, G271-CLT043, D262-CLT080, G264-CLT083, G276-CLT042, T268-CLT0126 and SCT501 through SCT511, constructed after July 1, 1990; [326 IAC 8-3-5]
- (c) five (5) degreasing units, identified as G263-CLT038, G272-CLT018, D268-CLT020, D270-PEQ011 and D265-CLT053, constructed after January 1, 1980 and prior to July 1, 1990; [326 IAC 8-3-2]
- (d) five (5) baghouses, identified as BLA007, BLA009, BLA011, BLA017 and BLA018, each with design outlet grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate of less than or equal to 4,000 actual cubic foot per minute, for controlling the sand blasting operations; [326 IAC 6.5-1-2]
- (e) five (5) baghouses, identified as DUC001, DUC002, DUC015, DUC021 and DUC027 each with design outlet grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate of less than or equal to 4,000 actual cubic foot per minute, for controlling the grinding and machining operations, including deburring, buffing, polishing and abrasive blasting; [326 IAC 6.5-1-2]
- (f) two (2) baghouses (ID Nos. DUC006 and DUC029), each with a gas flow rate of greater than 4,000 actual cubic foot per minute, for controlling grinding and machining operations with uncontrolled potential particulate emissions of less than 25 pounds per day; [326 IAC 6.5-1-2]
- (h) one (1) aluminum oxide abrasive blasting unit, identified as BLA-502, installed in 2006, equipped with a baghouse for particulate control, identified as DUC-013, exhausting inside the building, capacity: 315 pounds of abrasive per hour; [326 IAC 6.5-1-2]
- (i) three (3) armex empire blasting units, identified as BLA-503, BLA-504 and BLA-505, each installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503, DUC-504 and DUC-505, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each; [326 IAC 6.5-1-2]
- (j) two (2) steel shot peener units, identified as BLA-506 and BLA-507, both installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 600 pounds of abrasive per hour, each. [326 IAC 6.5-1-2]

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

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 Particulate [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (b)(3) (Particulate Limitations - Dubois County) the PM from the 4.5 MMBtu per hour heat input boiler shall be limited to 0.01 grains per dry standard cubic foot of exhaust air, which is equivalent to 0.86 pounds per hour at an exhaust flow rate of 10,000 dry standard cubic foot.

D.4.2 Particulate Matter (PM) (326 IAC 6.5-1-2)

Pursuant to 326 IAC 6.5-1-2(a)(Dubois County Particulate Limitations), particulate matter (PM) emissions from the sand blasting operations controlled by five (5) baghouses, identified as BLA007, BLA009, BLA011, BLA017 and BLA018, and grinding and machining operations controlled by fourteen baghouses, identified as DUC001, DUC002, DUC006, DUC015, DUC021, DUC027, DUC029, DUC052, DUC045, BLA059, DUC013, DUC503, DUC504 and DUC505 shall each be limited to 0.03 grains per dry standard cubic foot of exhaust air, which is equivalent to the following rates:

ID #	Exhaust Flow Rate (cfm)	Emission Limit (lb/hr)	ID #	Exhaust Flow Rate (cfm)	Emission Limit (lb/hr)
BLA007	420	0.11	DUC002	1,200	0.31
BLA009	1,250	0.32	DUC006	18,000	4.63
BLA011	420	0.11	DUC015	2,200	0.57
BLA017	750	0.19	DUC021	2,000	0.51
BLA018	420	0.11	DUC027	3,000	0.77
DUC001	4,000	1.03	DUC029	6,400	1.65
DUC045	15,000	3.86	BLA059	900	0.23
DUC013	1,550	0.40	DUC504	5,000	1.29
DUC503	5,000	1.29	DUC505	13,800	3.55

D.4.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaners G263-CLT038, G272-CLT018, D268-CLT020, D270-PEQ011, D265-CLT053 and SCT501 through SCT511 constructed after January 1, 1980, the Permittee shall:

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

D.4.4 Volatile Organic Compounds (VOC) [326 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaners D271-CLT21, D264-CLT054, G266-CLT056, I261, T264-CLT095, T263-CLT137, G273-CLT017, G274-CLT019, G271-CLT043, D262-CLT080, G264-CLT083, G276-CLT042, T268-CLT0126 and SCT501 through SCT511 without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:
- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.

- (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
- (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Compliance Determination Requirement

D.4.5 Particulate Control

In order to comply with D.4.2, the baghouses for particulate control shall be in operation and control emissions from the sand blasting operations controlled by baghouses BLA007, BLA009, BLA011, BLA017 and BLA018, and the grinding and machining operations controlled by DUC001 and DUC027 at all times that the units are in operation.

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

Part 70 Quarterly Report

Source Name: Jasper Engine Exchange, Inc.
Source Address: 815 Wernsing Road, Jasper, IN 47547
Mailing Address: P.O. Box 650, Jasper, IN 47547
Part 70 Permit No.: T037-17555-00089
Facility: Surface Coating Operations
Parameter: Hazardous Air Pollutants (HAPs)
Limit: Less than 9 and 22 tons per 12 consecutive month period for any single HAP and total HAP, respectively, with compliance determined at the end of each month.

YEAR: _____

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

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
Deviation has been reported on: _____

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

Attach a signed certification to complete this report.

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

Technical Support Document (TSD) for a Part 70 Minor Source
Modification and Significant Permit Modification.

Source Description and Location

Source Name:	Jasper Engine Exchange, Inc.
Source Location:	815 Wernsing Road, Jasper, Indiana 47547
County:	Dubois
SIC Code:	3714
Operation Permit No.:	T 037-17555-00089
Operation Permit Issuance Date:	April 1, 2004
Minor Source Modification	037-22015-00089
Significant Permit Modification No.:	037-22439-00089
Permit Reviewer:	Alic Bent/EVP

Existing Approvals

The source was issued a Part 70 Operating Permit T037-17555-00089 on April 1, 2004. The source has since received the following approvals:

- (a) First Significant Permit Modification No.: 037-15567-00089, issued on February 23, 2005; and
- (b) Second Significant Permit Modification No.: 037-19033-00089, issued on March 15, 2005.

County Attainment Status

The source is located in Dubois County.

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

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Dubois County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) Dubois County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (c) Dubois County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (tons/year)
PM	10.43
PM10	10.43
SO ₂	2.2
VOC	233.7
CO	51.0
NO _x	248.9

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not a major stationary source under Emission Offset (326 IAC 2-3) because no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or more.
- (c) These emissions are based upon Part 70 Permit No.: T037-17555-00089, issued on April 1, 2004.

The table below summarizes the potential to emit HAPs for the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

HAP's	Potential To Emit (tons/year)
Xylene	Greater than 10
Toluene	Greater than 10
Ethylene Benzene	Greater than 10
MIBK	Less than 10
Formaldehyde	Less than 10
TOTAL	Greater than 25

This existing source is a major source of HAPs, as defined in 40 CFR 63.41, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2002 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	No data
PM10	1
SO ₂	0
VOC	36
CO	8
NO _x	55
HAP (specify)	No data

Background and Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a minor source modification and significant permit modification application, submitted by Jasper Engine Exchange, Inc. on November 10, 2005, relating to the following:

- (a) Adding the following activities with uncontrolled potential emissions below exemption level that were inadvertently omitted from the Part 70 permit renewal T037-17555-00089:
 - (1) three (3) sodium bicarbonate blast cabinets identified as BLA030, BLA031, and BLA032, all controlled by dust collector designated as DUC045;
 - (2) one (1) sodium bicarbonate blast cabinet identified as BLA033 controlled by a baghouse designated as DUC027;
 - (3) one (1) sodium bicarbonate blast cabinet identified as BLA034 controlled by dust collector designated as DUC045;
 - (4) three (3) abrasive blasters using coal slag (Black Beauty) media with ID numbers of BLA008, BLA041, and BLA059.

The total uncontrolled potential to emit of PM/PM-10 from the above activities is 4.5 tons per year (see Appendix A: page 1 of 5). These potential emissions are less than the exemption threshold as described in 326 IAC 2-1.1-3(e)(1)(A).

- (b) Adding one (1) air atomization paint spray booth to be constructed in 2006, identified as PTB012, capable of painting a maximum of four (4) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB012.
- (c) Replacing one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN002, with a rated heat input of 10.5 mmBtu/hr and a rated output of 1500 HP with one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as

- (d) DYN056, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP. Adding one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN057, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP.
- (e) Removing one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN004, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP.
- (f) Adding eleven (11) degreasing units, identified as SCT501-SCT511, to be constructed in 2006. [326 IAC 8-3-5]
- (g) Adding one (1) plastic bead abrasive blasting unit, identified as BLA-501, equipped with a baghouse for particulate control, identified as BLA-501, exhausting inside the building, capacity: 116 pounds of abrasive per hour.
- (h) Adding one (1) aluminum oxide abrasive blasting unit, identified as BLA-502, equipped with a baghouse for particulate control, identified as DUC-013, exhausting inside the building, capacity: 315 pounds of abrasive per hour.
- (i) Adding three (3) armex empire blasting units, identified as BLA-503, BLA-504 and BLA-505, each equipped with a baghouse for particulate control, identified as DUC-503, DUC-504 and DUC-505, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each.
- (j) Adding two (2) steel shot peener units, identified as BLA-506 and BLA-507, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 600 pounds of abrasive per hour, each.
- (k) Adding enforceable permit conditions limiting source-wide HAP emissions below major thresholds, and deleting all conditions in Section D.1 relating to 40 CFR 63, Subpart Mmmm applicability.

The requirements of 40 CFR 63.3880, Subpart Mmmm (National Emission Standards for Hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Products) are applicable to miscellaneous metal parts and products surface coating facilities that are major sources of HAP emissions. This source is a major source of HAPs and the painting operation applies surface coating to miscellaneous metal parts and products, as defined in 40 CFR 63.3381(a). Since this rule has a future compliance date of January 2, 2007, the source may opt for emission limits which will limit HAP emissions to less than major thresholds.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

	Potential to Emit (tons/year)						
Degreasers (SCT501 – SCT511)	0.0	0.0	0.0	4.0	0.0	0.0	0.0
Total for Modification	10.58	10.58	(1)	4.59	(1)	(1)	Single HAP < 10 Total HAPs < 25
Significant Level or Major Source Threshold	250	250	250	250	250	250	--

(1) Based on existing #2 diesel source-wide fuel usage limit of 100,000 gallons per 12 consecutive month period to render 326 IAC 2-2 not applicable.

This modification to an existing minor stationary source is not major because the emissions increase is less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Dubois County has been designated as nonattainment for PM 2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source's PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. A major source in a nonattainment area is a source that emits or has the potential to emit one hundred (100) tons per year of any nonattainment regulated pollutant. Jasper Engine Exchange, Inc. has a limited potential to emit of PM10 below one hundred (100) tons per year. Therefore, assuming that PM10 emissions represent PM2.5 emissions, 326 IAC 2-3 does not apply for PM2.5.

Federal Rule Applicability Determination

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) included in this review.
- (b) The requirements of 40 CFR 63.4480, Subpart PPPP (National Emission Standards for Hazardous Air Pollutants: Surface Coating of Plastic Parts and Products) are applicable to plastic parts and products surface coating facilities that are major sources of HAP emissions. This source is a major source of HAPs and the painting operation applies surface coating to plastic parts and products, as defined in 40 CFR 63.4481(a). Since this rule has a future compliance date of April 19, 2007, the source may opt for emission limits which will limit HAP emissions to less than major thresholds.

The source has opted to limit the usage of any combination of HAPs and any single HAP at the surface coating processes to less than 22 and 9 tons per twelve (12) consecutive month period, respectively. Compliance with these limits shall limit source-wide emissions of any combination of HAPs and any single HAP to less than 25 and 10 tons per twelve (12) consecutive month period, respectively. Therefore, the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP), 326 IAC 20, (40 CFR Part 63, Subpart MMMM (Surface Coating of Miscellaneous Metal Parts and Products) do not apply to this source.

- (c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Reciprocating Internal Combustion Engines (RICE), 40 CFR 63, Subpart ZZZZ are not included in the permit for the diesel fired 3.5 MMBtu per hour internal combustion engine. This rule applies to all existing and new internal combustion engines with a site-rating of more than 500 brake horsepower located at a major source of HAP emissions. The diesel fired internal combustion engine does not meet the applicability threshold of more than 500 brake horsepower.

- (d) The degreasing operations are not subject to National Emissions Standard for Hazardous Air Pollutants (NESHAP), 40 CFR 63.460, Subpart T. The degreasing operations at the source do not use any halogenated solvent cleaners.
- (e) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:
 - (1) has a potential to emit before or after controls equal to or greater than the major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the applicability criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Blasting Unit BLA501 - PM10	Baghouse	Y	5.082	0.051	100	N	N

Note: Paint Spray Booth (PTB012) is an insignificant activity and was therefore not evaluated for 40 CFR Part 64, CAM applicability.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the new units as part of this modification.

State Rule Applicability Determination

326 IAC 2-2 (Prevention of Significant Deterioration)

This modification to an existing minor stationary source, which is not one of the 28 listed source categories, is not major because the modification does not have the potential to emit of 250 tons per year or more of any criteria pollutant. The source will still be a minor source after this modification. Therefore, the requirements of 326 IAC 2-2 (PSD) do not apply.

326 IAC 6.5-1 (Particulate Limitations - Dubois County)

This rule applies to specifically listed sources or facilities, or sources or facilities not specifically listed but located in a listed county and having either a potential to emit of 100 tons per year (tpy) or more actual emissions of 10 tpy or more of PM.

The source is located in Dubois County, a specifically listed county. The source and its facilities are not specifically listed at 326 IAC 6.5-4 and, therefore, the requirements of 326 IAC 6.5-4 do not apply. The potential to emit PM from the entire source is greater than one-hundred (100) tons per year. Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the facilities listed below shall be limited to 0.03 grains per dry standard cubic foot (gr/dscf). The equivalent pound per hour emission rates are calculated as follows:

Facility ID	Air Flow Rate (acfm)	326 IAC 6.5-1-2 allowable PM emission rate (lb/hr)	Controlled PM emission rate (lb/hr)
Blasting Unit BLA501	600	0.15	0.016
Blasting Unit BLA502	1550	0.40	0.0025
Blasting Unit BLA503	5000	1.29	0.00124
Blasting Unit BLA504	5000	1.29	0.00124
Blasting Unit BLA505	13800	3.55	0.0013
Blasting Unit BLA506	5000	1.29	0.0024
Blasting Unit BLA507	5000	1.29	0.0024
Paint Spray Booth PTB012	1500	0.386	0.0022
Blasting Unit BLA030	15000	3.86	0.0013
Blasting Unit BLA031	15000	3.86	0.0013
Blasting Unit BLA032	15000	3.86	0.0013
Blasting Unit BLA033	3000	0.77	0.00013
Blasting Unit BLA034	15000	3.86	0.0013
Blasting Unit BLA008	5000	1.29	0.0013
Blasting Unit BLA041	6400	1.65	0.0001
Blasting Unit BLA059	900	0.23	0.0014

All the units are capable of complying with the 326 IAC 6.5-1-2 limits. The baghouses for the Blasting Units (BLA501 - BLA507), and the dry filters for Paint Spray Booth PTB012 shall be in operation at all times the units are in operation.

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

The facilities at this source are not subject to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), because the allowable emissions for 326 IAC 6-3-2 are less stringent than the allowable emissions for 326 IAC 6.5-1 (formerly 326 IAC 6-1 (Nonattainment Area Particulate Limitations)). Pursuant to 326 IAC 6-3-1(b) (1), these facilities are not subject to 326 IAC 6-3-2.

326 IAC 8-1-6 (General Reduction Requirements)

This rule applies to facilities located anywhere in the state that were constructed on or after January 1, 1980, and which have potential volatile organic compound (VOC) emissions of 25 tons per year or more and are not otherwise regulated by other provisions of article 8. The potential to emit VOC from the one (1) air atomization paint spray booth, identified as PTB-012, internal combustion engine DYN057 and degreasers (SCT501 – SCT511) are each less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

326 IAC 8-2-9 (Miscellaneous Metal Coating)

The potential to emit VOC from the one (1) air atomization paint spray booth, identified as PTB-012 is less than fifteen (15) pounds per day, before add-on controls. Therefore, the requirements of 326 IAC 8-2-9 are not applicable. Any change or modification which would increase the actual VOC emissions to fifteen (15) pounds per day or more from the one (1) air atomization paint spray booth, identified as PTB-012 shall obtain prior approval from IDEM, OAQ.

326 IAC 8-3-2 (Cold Cleaner Operations)

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

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;

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

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

Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), Jasper Engine Exchange, Inc. shall comply with the following when operating the cold cleaning facilities constructed after July 1, 1990:

- (a) that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) the solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38⁰C) (one hundred degrees Fahrenheit (100⁰F));
 - (B) the solvent is agitated; or
 - (C) the solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38⁰C) (one hundred degrees Fahrenheit (100⁰F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38⁰C) (one hundred degrees Fahrenheit (100⁰F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9⁰C) (one hundred twenty degrees Fahrenheit (120⁰F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

- (b) that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Degreasers SCT501-SCT511 shall be operated in compliance with the requirements of 326 IAC 8-3-2 and 326 IAC 8-3-5.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance determination requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

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

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

1. The one (1) air atomization paint spray booth, identified as PTB012 has applicable compliance monitoring conditions as specified below:
 - (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stack (PTB012) while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
 - (b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

2. The plastic bead abrasive blasting unit, identified as BLA-501 has applicable compliance monitoring conditions as specified below:
- (a) Once per day visible emission notations of the one (1) plastic bead abrasive blasting unit, identified as BLA-501 stack exhaust shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
 - (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
 - (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
 - (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
 - (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.
 - (f) The Permittee shall record the total static pressure drop across the baghouses used in conjunction with the one (1) plastic bead abrasive blasting unit, identified as BLA-501, at least once per day when the process is in operation when exhausting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ and shall be calibrated at least once every six (6) months.
 - (g) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
 - (h) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies

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

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

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T037-17555-00089. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

1. The descriptive information and the following conditions in Sections A.2 and D.1, and the corresponding reporting forms of the Title V operating permit have been revised to reflect the addition of one (1) air atomization paint spray booth.

one (1) air atomization paint spray booth, constructed in 2006, identified as PTB012, capable of painting a maximum of four (4) units per hour, using dry filters for overspray control, and exhausting through one (1) stack, identified as PTB012.

D.1.3 Volatile Organic Compounds (VOC) Limitations [326 IAC 8-1-6] [326 IAC 8-2-9]

- (b) Any change or modification to booths ~~PTB-007~~ **and PTB012** that may increase actual VOC emissions **from either unit** to 15 lbs/day or more must be approved by the Office of Air Quality (OAQ) before such change can occur.

2. On September 1, 2005, 326 IAC 6-1 was repealed and non-Lake County PM limitations were placed into 326 IAC 6.5. The rule citation has been changed throughout the permit.

D.1.4 Particulate Matter (PM) (326 IAC 6.5-1-2)

Pursuant to 326 IAC 6.5-1-2(a)(Dubois County Particulate Limitations), particulate matter (PM) emissions from the ~~six (6)~~ **seven (7)** paint booths (Engine, Stern Drive, Radiator, Diesel Engine, Transmission Booths and PTB-007) shall be limited to 0.03 grains per dry standard cubic foot of exhaust air as follows:

Process/Facility	Exhaust Flow Rate (dscfm)	326 IAC 6.5-1-2 PM Allowable Emissions (lb/hr)
Engine Booth	18,000	4.63
Stern Drive Booth	9,600	2.47
Radiator Booth	5,300	1.36
Diesel Engine Booth	18,000	4.63
Transmission Booth	18,000	4.63
PTB-007	1,500	0.386
PTB012	1,500	0.386

3. The following conditions in Section D.1 of the Title V Operating Permit No. T037-17555-00089 have been removed to reflect the non-applicability of Subpart Mmmm and enforceable permit conditions limiting source-wide HAP emissions below major thresholds have been added. Also, a reporting form for HAPs has been added. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

~~D.1.5 General Provisions Relating to HAPs [326 IAC 20-1][40 CFR Part 63, Subpart A][Table 2 to 40 CFR Part 63, Subpart Mmmm][40 CFR 63.3901]~~

- (a) ~~_____ The provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1, apply to the affected source, except when otherwise specified by Table 2 to 40 CFR Part 63, Subpart M. The Permittee must comply with these requirements on and after August 18, 2006.~~
- (b) ~~_____ Since the applicable requirements associated with the compliance options are not included and specifically identified in this permit, the permit shield authorized by the B section of this permit in the condition titled Permit Shield, and set out in 326 IAC 2-7-15 does not apply to paragraph (a) of this condition.~~

~~D.1.6 National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products [40 CFR Part 63, Subpart M] [40 CFR 63.3882] [40 CFR 63.3883] [40 CFR 63.3980] _____~~

- (a) ~~_____ The provisions of 40 CFR Part 63, Subpart M (National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products) apply to the affected source. A copy of this rule is available on the US EPA Air Toxics Website at <http://www.epa.gov/ttn/atw/misc/misecpg.html>. Pursuant to 40 CFR 63.3883(b), the Permittee must comply with these requirements on and after the date 3 years after the effective date of 40 CFR Part 63, Subpart M.~~
- (b) ~~_____ Since the applicable requirements associated with the compliance options are not included and specifically identified in this permit, the permit shield authorized by the B section of this permit in the condition titled Permit Shield, and set out in 326 IAC 2-7-15 does not apply to paragraph (a) of this condition.~~
- (c) ~~_____ The affected source is the collection of all of the items listed in 40 CFR 63.3882, paragraphs (b)(1) through (4) that are used for surface coating of miscellaneous metal parts and products within each subcategory as defined in 40 CFR 63.3881(a), paragraphs (2) through (6).~~
 - (1) ~~_____ All coating operations as defined in 40 CFR 63.3981;~~
 - (2) ~~_____ All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;~~
 - (3) ~~_____ All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and~~
 - (4) ~~_____ All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.~~
- (d) ~~_____ Terminology used in this section are defined in the CAA, in 40 CFR Part 63, Section 63.2, and in 40 CFR 63.3980, which are incorporated by reference.~~

~~D.1.12 Notification Requirements [40 CFR 63.3910]~~

- (a) ~~_____ General. The Permittee must submit the applicable notifications in 40 CFR Part 63, Sections 63.7(b) and (c), 63.8(f)(4), and 63.9(b) through (e) and (h) by the dates specified in those sections, except as provided in 40 CFR 63.3910, paragraphs (b) and (c).~~
- (b) ~~_____ Initial notification. The Permittee must submit the initial notification no later than 1 year after the effective date of 40 CFR Part 63, Subpart M.~~
- (c) ~~_____ Notification of compliance status. The Permittee must submit the notification of compliance status required by 40 CFR 63.9(h) no later than 30 calendar days following the end of the initial compliance period described in 40 CFR Part 63, Sections 63.3940, 63.3950, or 63.3960 that applies to the affected source. The notification of compliance status must contain the information specified in 40 CFR 63.3910(c), paragraphs (1)~~

~~through (11) and any additional information specified in 40 CFR 63.9(h).~~

~~D.1.13 Requirement to Submit a Significant Permit Modification Application [326 IAC 2-7-12][326 IAC 2-7-5]~~

~~The Permittee shall submit an application for a significant permit modification to IDEM, OAQ to include information regarding which compliance option or options will be chosen in the Title V permit.~~

~~(a) The significant permit modification application shall be consistent with 326 IAC 2-7-12, including information sufficient for IDEM, OAQ to incorporate into the Title V permit the applicable requirements of 40 CFR 63, Subpart M, a description of the affected source and activities subject to the standard, and a description of how the Permittee will meet the applicable requirements of the standard.~~

~~(b) The significant permit modification application shall be submitted no later than twenty seven months after the effective date of 40 CFR 63, Subpart M.~~

~~(c) The significant permit modification application shall be submitted to:~~

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

D.1.5 NESHAP Minor Limit [40 CFR Part 63, Subpart A] [40 CFR Part 63, Subpart M] [326 IAC 20-1]

The usage of total combination of HAPs and any single HAP at the surface coating processes shall be limited to less than 22 and 9 tons per twelve (12) consecutive month period, respectively. Compliance with these limits shall limit source-wide emissions of total combination of HAPs and any single HAP to less than 25 and 10 tons per twelve (12) consecutive month period, respectively.

D.1.86 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs)

Compliance with the VOC **and** HAP content and usage limitations contained in Conditions D.1.1, ~~and~~ D.1.2 **and** D.1.5 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.9 Record Keeping Requirements

(a) To document compliance with Conditions D.1.1, ~~and~~ D.1.2 **and** D.1.5, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC **and** HAP usage limits and/or the VOC **and** HAP emission limits established in Conditions D.1.1, ~~and~~ D.1.2 **and** D.1.5. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The VOC **and** HAP content of each coating material and solvent used.

(2) The amount of coating material and solvent less water used on monthly basis.

(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

- (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
- (3) The cleanup solvent usage for each month;
- (4) The total VOC **and HAP** usage for each month; and
- 5) The weight of VOCs **and HAPs** emitted for each compliance period.

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.5 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

Part 70 Quarterly Report

Source Name: Jasper Engine Exchange, Inc.
Source Name: Jasper Engine Exchange, Inc.
Source Address: 815 Wernsing Road, Jasper, IN 47547
Mailing Address: P.O. Box 650, Jasper, IN 47547
Part 70 Permit No.: T037-17555-00089
Facility: Surface Coating Operations
Parameter: Hazardous Air Pollutants (HAPs)
Limit: Less than 9 and 22 tons per 12 consecutive month period for any single HAP and total HAP, respectively, with compliance determined at the end of each month.

YEAR: _____

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

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.
 Deviation has been reported on: _____

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

Attach a signed certification to complete this report.

4. Upon further review, IDEM, OAQ has determined that it is not necessary to include a condition requiring a preventive maintenance plan in each individual Section D of the permit. Rather, a general condition will be placed in Section B of the permit, which will apply to the entire source. Condition D.1.7 has been removed from the permit.

~~D.1.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

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

5. The monitoring condition has been revised to reflect the new Condition C.14 - Response to Excursions or Exceedances, and to remove the additional inspections for the Preventive Maintenance Plan.

D.1.109 Monitoring

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (PTB001 - PTB005, and PTB007 and **PTB012**) while one or more of the booths are in operation. ~~The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.~~ **If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.**
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.~~ **When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.**
- ~~(c) Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.~~

D.1.140 Record Keeping Requirements

- (c) To document compliance with Condition D.1.109, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, ~~and those additional inspections prescribed by the Preventive Maintenance Plan.~~

6. The descriptive information and the following conditions in Sections A.2 and D.2 of the Title V operating permit have been revised to reflect the removal of #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN004, the replacement of #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN002 with DYN056, and the addition of the #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN057:
- (h) ~~three (3)~~ **two (2)** #2 diesel fuel fired reciprocating internal combustion engines, identified as DYN001 ~~through~~ **and** DYN003, each with a rated heat input of 10.5 mmBtu/hr and a rated output of 1500 HP;
 - (i) ~~one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN004, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP;~~
 - (m) **one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN056, installed in 2006, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP;**
 - (n) **one (1) #2 diesel fuel fired reciprocating internal combustion engine, identified as DYN057, installed in 2006, with a rated heat input of 3.5 mmBtu/hr and a rated output of 500 HP;**

7. The following conditions in Sections A.2 and D.3 have been revised to reflect the addition of one (1) plastic bead abrasive blasting unit BLA-501:
- (q) **one (1) plastic bead abrasive blasting unit, identified as BLA-501, installed in 2006, equipped with a baghouse for particulate control, identified as BLA-501, exhausting inside the building, capacity: 116 pounds of abrasive per hour.**

D.3.1 Particulate [326 IAC 6.5-1-2]

- (a) Pursuant to 326 IAC 6.5-1-2, particulate matter emissions from the grinding and machining operations controlled by two (2) baghouses, identified as DUC051 and DUC052, shall each not exceed 0.03 grains per dry standard cubic foot, ~~which is equivalent to 2.44 and 3.86 pounds per hour, respectively.~~
- (b) Pursuant to 326 IAC 6.5-1-2, particulate matter emissions from the one (1) soda blasting unit, identified as BLA-037, shall not exceed 0.03 grains per dry standard cubic foot, ~~which is equivalent to 0.154 pounds per hour.~~
- (c) **Pursuant to 326 IAC 6.5-1-2, particulate matter emissions from the one (1) plastic bead abrasive blasting unit, identified as BLA-501, shall not exceed 0.03 grains per dry standard cubic foot.**

8. Upon further review, IDEM, OAQ has determined that it is not necessary to include a condition requiring a preventive maintenance plan in each individual Section D of the permit. Rather, a general condition will be placed in Section B of the permit, which will apply to the entire source. Condition D.3.3 has been removed from the permit.

~~D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]~~

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

9. Paragraph (a) of the Broken or Failed Baghouse condition has been deleted. For multi-compartment baghouses, the permit will not specify what actions the Permittee needs to take in response to a broken bag. However, a requirement has been added to Condition D.3.3 requiring the Permittee to notify IDEM if a broken bag is detected and the control device will not be repaired for more than ten (10) days. This notification allows IDEM to take any appropriate actions if the emission unit will continue to operate for a long period of time while the control device is not operating in optimum condition.

D.3.43 Particulate Control

- (a) In order to comply with D.3.1, the baghouses for particulate control shall be in operation and control emissions from the grinding and machining operations, ~~and~~ the one (1) soda blasting unit (BLA-037), **and one (1) plastic bead abrasive blasting unit, identified as BLA-501** at all times that the units are in operation.
- (b) **In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.**
10. Upon further review, IDEM has determined that once per day monitoring of the control device (or of visible emission notations) is generally sufficient to ensure proper operation of the control device. IDEM has also determined that monitoring these parameters once per day is sufficient to satisfy the requirements of the Part 70 rules at 326 IAC 2-7-5 and 326 IAC 2-7-6.

D.3.54 Visible Emissions Notations

- (a) Once per ~~shift~~ **day** visible emission notations of the grinding and machining, ~~and~~ the one (1) soda blasting unit (BLA-037), **and one (1) plastic bead abrasive blasting unit, identified as BLA-501** stack exhausts shall be performed during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.~~ **If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.**

D.3.65 Parametric Monitoring

The Permittee shall record the ~~total static~~ pressure drop across the baghouses used in conjunction with the grinding and machining process, and the one (1) soda blasting unit (BLA-037), at least once per ~~shift~~ **day** when the processes are in operation when exhausting to the atmosphere. When for any one reading, the pressure drop across the baghouse is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - ~~Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances**, shall be considered a deviation from this permit.

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

11. Upon further review, IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit. In addition, the requirement to keep records of the inspections has been removed.

D.3.7 ~~Baghouse Inspections~~

~~An inspection shall be performed each calendar quarter of all bags controlling the grinding and machining process. Inspections required by this condition shall not be performed in consecutive months. All defective bags shall be replaced.~~

12. Paragraph (b) of this condition has been revised for those processes that operate in batch mode. The condition required an emission unit to be shut down immediately in case of baghouse failure. However, IDEM is aware there can be safety issues with shutting down a process in the middle of a batch. IDEM also realizes that in some situations, shutting down an emissions unit mid-process can cause equipment damage. Therefore, since it is not always possible to shut down a process with material remaining in the equipment, IDEM has revised the condition to state that in the case of baghouse failure, the feed to the process must be shut off immediately, and the process shall be shut down as soon as practicable.

D.3.86 Broken or Failed Bag Detection

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

- (a) ~~For multi-compartment units, the affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) business hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) business hours of discovery of the failure and shall include a timetable for completion. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports, shall be considered a violation of this permit. If operations continue after bag failure is observed and it will be 10 days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with~~

~~respect to normal, and the results of any response actions taken up to the time of notification.~~

~~(b) For single compartment baghouses, if failure is indicated by a significant drop in the baghouse's pressure readings with abnormal visible emissions or the failure is indicated by an opacity violation, or if bag failure is determined by other means, such as gas temperatures, flow rates, air infiltration, leaks, dust traces or triboflows, then failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).~~

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

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

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

D.3.97 Record Keeping Requirements

(a) To document compliance with Condition D.3.54, the Permittee shall maintain records of visible emission notations of the grinding and machining, ~~and one (1) soda blasting unit,~~ **and one (1) plastic bead abrasive blasting unit, identified as BLA-501** stack exhaust once per shift **day** when exhausting to the atmosphere.

(b) To document compliance with Condition D.3.65, the Permittee shall maintain records once per shift **day** of the ~~total static~~ pressure drop during normal operation when exhausting to the atmosphere.

~~(c) To document compliance with Condition D.3.7, the Permittee shall maintain records of the results of the inspections required under Condition D.3.6.~~

~~(d) To document compliance with Condition D.3.3, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.~~

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

13. The descriptive information in Section A.3 of the Title V operating permit have been revised as follows:

(b) ~~thirteen (13)~~ **twenty-four** degreasing units, identified as D271-CLT21, D264-CLT054, G266-CLT056, I261, T264-CLT095, T263-CLT137, G273-CLT017, G274-CLT019, G271-CLT043, D262-CLT080, G264-CLT083, G276-CLT042, ~~and T268-CLT0126~~ **and SCT501 through SCT511**, constructed after July 1, 1990; [326 IAC 8-3-5]

-
- (h) **one (1) aluminum oxide abrasive blasting unit, identified as BLA-502, installed in 2006, equipped with a baghouse for particulate control, identified as DUC-013, exhausting inside the building, capacity: 315 pounds of abrasive per hour; [326 IAC 6.5-1-2]**
 - (i) **three (3) armex empire blasting units, identified as BLA-503, BLA-504 and BLA-505, each installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503, DUC-504 and DUC-505, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each; [326 IAC 6.5-1-2]**
 - (j) **two (2) steel shot peener units, identified as BLA-506 and BLA-507, both installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 600 pounds of abrasive per hour, each. [326 IAC 6.5-1-2]**

14. Section D.4 has been revised to reflect the addition of the following degreasers and blasting units:

- (b) ~~thirteen (13)~~ **twenty-four** degreasing units, identified as D271-CLT21, D264-CLT054, G266-CLT056, I261, T264-CLT095, T263-CLT137, G273-CLT017, G274-CLT019, G271-CLT043, D262-CLT080, G264-CLT083, G276-CLT042, ~~and T268-CLT0126~~ **and SCT501 through SCT511**, constructed after July 1, 1990; [326 IAC 8-3-5]

-
- (g) **one (1) aluminum oxide abrasive blasting unit, identified as BLA-502, installed in 2006, equipped with a baghouse for particulate control, identified as DUC-013, exhausting inside the building, capacity: 315 pounds of abrasive per hour; [326 IAC 6.5-1-2]**
 - (h) **three (3) armex empire blasting units, identified as BLA-503, BLA-504 and BLA-505, each installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503, DUC-504 and DUC-505, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each; and [326 IAC 6.5-1-2]**
 - (i) **two (2) steel shot peener units, identified as BLA-506 and BLA-507, both installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 600 pounds of abrasive per hour, each. [326 IAC 6.5-1-2]**

D.4.1 Particulate [326 IAC 6-1-2] [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2 (b)(3) (Particulate Limitations - Dubois County) the PM from the 4.5 MMBtu per hour heat input boiler shall be limited to 0.01 grains per dry standard cubic foot of exhaust air, which is equivalent to 0.86 pounds per hour at an exhaust flow rate of 10,000 dry standard cubic foot.

D.4.2 Particulate Matter (PM) (326 IAC 6-1-2) [326 IAC 6.5-1-2]

Pursuant to ~~326 IAC 6-1-2(a)~~ **326 IAC 6.5-1-2(a)** (Dubois County Particulate Limitations), particulate matter (PM) emissions from the ~~and~~ blasting operations controlled by five (5) baghouses, identified as BLA007, BLA009, BLA011, BLA017 and BLA018, and grinding and machining operations controlled by ~~eight~~ **fourteen** baghouses, identified as DUC001, DUC002, DUC006, DUC015, DUC021, DUC027, DUC029, ~~and~~ DUC052, **DUC045, BLA059, DUC013, DUC503, DUC504 and DUC505** shall each be limited to 0.03 grains per dry standard cubic foot of exhaust air, which is equivalent to the following rates:

ID#	Exhaust Flow Rate (cfm)	Emission Limit (lb/hr)	ID#	Exhaust Flow Rate (cfm)	Emission Limit (lb/hr)
BLA007	420	0.11	DUC002	1,200	0.31
BLA009	1,250	0.32	DUC006	18,000	4.63
BLA011	420	0.11	DUC015	2,200	0.57
BLA017	750	0.19	DUC0021	2,000	0.51
BLA018	420	0.11	DUC027	3,000	0.77
DUC001	4,000	1.03	DUC029	6,400	1.65
DUC045	15,000	3.86	BLA059	900	0.23
DUC013	1,550	0.40	DUC504	5,000	1.29
DUC503	5,000	1.29	DUC505	13,800	3.55

D.4.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaners G263-CLT038, G272-CLT018, D268-CLT020, D270-PEQ011, and D265-CLT053 and **SCT501 through SCT511** constructed after January 1, 1980, the Permittee shall:

D.4.4 Volatile Organic Compounds (VOC) [326 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaners D271-CLT21, D264-CLT054, G266-CLT056, I261, T264-CLT095, T263-CLT137, G273-CLT017, G274-CLT019, G271-CLT043, D262-CLT080, G264-CLT083, G276-CLT042, and T268-CLT0126 and **SCT501 through SCT511** without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

15. The following changes have been made to Section A.1.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary engine, transmission and differential parts remanufacturing plant.

Responsible Official:	Vice President
Source Address:	815 Wernsing Road, Jasper, Indiana 47547
Mailing Address:	P. O. Box 650, Jasper, IN 47547-0650
General Source Phone Number:	(812) 482-1041
SIC Code:	3714
County Location:	Dubois
Source Location Status:	Nonattainment for PM2.5
Source Status:	Attainment for all other criteria pollutants Part 70 Permit Program Minor Source, under PSD and Emission Offset ; Major Source, Section 112 of the Clean Air Act

16. The IDEM address on the cover page and throughout the permit has been revised to reflect IDEM's correct address.

17. Conditions B.2, B.8, B.13 and B.17 (now re-numbered B.16) have been revised and Condition B.3 added to the permit to further address and clarify the permit term and the term of the conditions. Condition B.4 (Termination of Right to Operate) has been moved and re-numbered B.14. All other Section B conditions have been re-numbered accordingly.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4(a)(1)(D)] [IC 15-13-6(a)]

- (a) This permit, **T037-17555-00089**, is issued for a fixed term of five (5) years from the ~~original~~ **issuance date of this permit**, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date **of this permit**.
- (b) **If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.**

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

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

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

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. **One (1) certification may cover multiple forms in one (1) submittal.**
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]

- (a) All terms and conditions of ~~previous~~ permits **established prior to T037-17555-00089 and issued pursuant to permitting programs approved into the state implementation plan have been either:**
- (1) incorporated as originally stated,
 - (2) revised **under 326 IAC 2-7-10.5**, or
 - (3) deleted **under 326 IAC 2-7-10.5**.
- ~~by this permit.~~

- (b) Provided that all terms and conditions are accurately reflected in this combined permit, All previous registrations and permits are superseded by this Part 70 operating permit.**

B.14 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

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 2-7-3 and 326 IAC 2-7-4(a).

B.167 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana 46206-6015 **46204-2251**

- (b) ~~Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]~~

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

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

~~(2) If IDEM, OAQ, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.~~

- (c) ~~Right to Operate After Application for Renewal [326 IAC 2-7-3]~~
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 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

- (d) ~~United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]~~
~~If IDEM, OAQ fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.~~

18. Upon further review, IDEM, OAQ has determined that it is not necessary to include a condition requiring a preventive maintenance plan in each individual Section D of the permit. Rather, a general condition will be placed in Section B of the permit, which will apply to the entire source. Item (a) in Section B has been revised. Additionally, IDEM, OAQ has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted paragraph (b) of Section B – Preventive Maintenance, and has amended the Section B – Emergency Provisions condition as follows:

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1), (3) and (13)] [326 IAC 2-7-6(1) and (6)]
[326 IAC 1-6-3]

-
- (a) ~~If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:~~ **for the source as described in 326 IAC 1-6-3. At a minimum, the PMPs shall include:**
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- ~~(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.~~
- ~~(c)~~ **(b)** A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).
- ~~(d)~~ **(c)** To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

-
- (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.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;

- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-5674 (asks for Compliance Section)
Facsimile Number: 317-233-5967

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue, P.O. Box 6015
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

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

The notice fulfills the requirement of 326 IAC 2-7-5(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). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) **The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.**
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

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

19. IDEM, OAQ has clarified the Condition B.20 (Operational Flexibility) as follows:

B.1920 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions, which exceed the ~~emissions allowable~~ **under limitations provided in this** permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue, ~~P.O. Box 6015~~
Indianapolis, Indiana ~~46206-6015~~ **46204-2251**

and

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

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and
 - (5) The Permittee maintains records on-site, **on a rolling five (5) year basis**, which document, ~~on a rolling five (5) year basis~~, all such changes and emissions trading **trades** that are subject to 326 IAC 2-7-20(b), (c), or (e). ~~and makes The~~ **Permittee shall make** such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).
- (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 2-7-20(a). 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, is not considered an application form, report or compliance certification. Therefore, the notification 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 2-7-20(c)]
The Permittee may trade **emissions** increases and decreases ~~in emissions in~~ at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(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 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) **Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.**

20. Section B.24 has been revised to include the recent changes regarding the phone number for the Permittee to call on annual fee payment.

B.234 Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-7-5(7)]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-~~4230 0425~~ (ask for OAQ, ~~I/M & Billing Section~~ **Billing, Licensing and Training Section**), to determine the appropriate permit fee.

21. Indiana was required to incorporate credible evidence provisions into state rules consistent with the SIP call published by U.S. EPA in 1997 (62 FR 8314). Indiana has incorporated the credible evidence provision in 326 IAC 1-1-6. This rule is effective March 16, 2005; therefore, the condition reflecting this rule is incorporated into the Part 70 permit as follows:

B.25 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

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

22. IDEM, OAQ has decided that it is best to have the requirement of operating control equipment at all times be placed under compliance determination in the specific D conditions, and remove Condition C.5.

~~C.5 Operation of Equipment [326 IAC 2-7-6(6)]~~

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

23. IDEM, OAQ realizes that the specifications in Condition C.12 (Pressure Gauge and Other Instrument Specifications) can only be practically applied to analog units, and has therefore clarified the condition to state that the condition only applies to analog units. IDEM, OAQ has also determined that the accuracy of the instruments is not nearly as important as whether the instrument has a range that is appropriate for the normal expected reading of the parameter. Therefore, the accuracy requirements have been removed from the condition.

~~C.121 Pressure Gauge and Other Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]~~

-
- (a) ~~Whenever a condition in this permit requires the measurement of pressure drop across any part of the unit or its control device, the gauge employed~~ **When required by an condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device** shall have a scale such that the expected normal **maximum reading for the normal range** shall be no less than twenty percent (20%) of full scale ~~and be accurate within plus or minus two percent ($\pm 2\%$) of full scale reading.~~
- (b) The Permittee may request **that** the IDEM, OAQ approve the use of a ~~pressure gauge or other~~ **an** instrument that does not meet the above specifications provided the Permittee can demonstrate **that** an alternative ~~pressure gauge or other~~ instrument specification will adequately ensure compliance with permit conditions requiring the measurement of ~~pressure drop or other~~ **the** parameters.

24. IDEM, OAQ has reconsidered the requirement to develop and follow a Compliance Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. The Section D conditions that refer to this condition have been revised to reflect the new condition title, and the following changes have been made to the Section C condition:

~~C.154 Compliance Response Plan - Preparation, Implementation, Records, and Reports~~ **Response to Excursions or Exceedances** [326 IAC 2-7-5] [326 IAC 2-7-6]

-
- (a) ~~The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. If a Permittee is required to have an Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan) under 40 CFR 60/63, such plans shall be deemed to satisfy the requirements for a CRP for those compliance monitoring conditions. A CRP shall be submitted to IDEM upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:~~

- (1) ~~Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit;~~

~~and an expected timeframe for taking reasonable response steps.~~

- ~~(2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan) and the Permittee documents such response in accordance with subsection (c) below, the Permittee shall amend its Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan) to include such response steps taken.~~

~~The OMM Plan (or Parametric Monitoring and SMM Plan) shall be submitted within the time frames specified by the applicable 40 CFR60/63 requirement.~~

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

- ~~(1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan); or~~

- ~~(2) If none of the reasonable response steps listed in the Compliance Response Plan or Operation, Maintenance and Monitoring (OMM) Plan (or Parametric Monitoring Plan and Start-up, Shutdown, and Malfunction (SSM) Plan) is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~

- ~~(3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~

- ~~(4) Failure to take reasonable response steps shall be considered a deviation from the permit.~~

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

- ~~(1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
- ~~(2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.~~
- ~~(3) An automatic measurement was taken when the process was not operating.~~
- ~~(4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~

- ~~(d) When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B-Deviations from Permit Requirements and Conditions.~~
- ~~(e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~
- ~~(f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.~~
- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.**
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:**
- (1) initial inspection and evaluation;**
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or**
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.**
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:**
- (1) monitoring results;**
 - (2) review of operation and maintenance procedures and records;**
 - (3) inspection of the control device, associated capture system, and the process.**
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.**
- (e) The Permittee shall maintain the following records:**
- (1) monitoring data;**
 - (2) monitor performance data, if applicable; and**

(3) corrective actions taken.

25. IDEM, OAQ has clarified the Condition C.17 (Emission Statement) as follows:

~~C.176~~ Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]
[326 IAC 2-6]

- (a) ~~The Permittee shall submit an emission statement certified pursuant to the requirements of 326 IAC 2-6. This statement must be received in accordance with the compliance schedule specified in 326 IAC 2-6-3 and must comply with the minimum requirements specified in 326 IAC 2-6-4. The submittal shall cover the period identified in 326 IAC 2-6. The emission statement shall meet the following requirements:~~
- ~~(1) — Indicate estimated actual emissions of criteria pollutants from the source, in compliance with 326 IAC 2-6 (Emission Reporting);~~
- ~~(2) — Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) (“Regulated pollutant which is used only for purposes of Section 19 of this rule”) from the source, for purposes of Part 70 fee assessment.~~

Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:.

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);**
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) (“Regulated pollutant, which is used only for purposes of Section 19 of this rule”) from the source, for purpose of fee assessment.**

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue, P.O. Box 6045
Indianapolis, Indiana ~~46206-6045~~ **46204-2251**

26. The reporting requirement has been revised to clarify the meaning of a “calendar year”.

~~C.4918~~ General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

- (a) The source shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue, P. O. Box 6045
Indianapolis, Indiana ~~46206-6045~~ **46204-2251**

- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) Reporting periods are based on calendar years, **unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.**
- (f) **The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.**

27. It is no longer necessary to have C.21 Application Requirements for Section 112(j) in any new permits; therefore, this condition is being removed from the permit.

Part 2 MACT Application Submittal Requirement

~~C.21 Application Requirements for Section 112(j) of the Clean Air Act [40 CFR 63.52(e)]
[40 CFR 63.56(a)] [40 CFR 63.9(b)] [326 IAC 2-7-12]~~

- ~~(a) The Permittee shall submit a Part 2 MACT Application in accordance with 40 CFR 63.52(e)(1). The Part 2 MACT Application shall meet the requirements of 40 CFR 63.53(b).~~
- ~~(b) Notwithstanding paragraph (a), the Permittee is not required to submit a Part 2 MACT Application if the Permittee no longer meets the applicability criteria of 40 CFR 63.50 by the application deadline in 40 CFR 63.52(e)(1). For example, the Permittee would not have to submit a Part 2 MACT Application if, by the application deadline:~~
 - ~~(1) The source is no longer a major source of hazardous air pollutants, as defined in 40 CFR 63.2;~~
 - ~~(2) The source no longer includes one or more units in an affected source category for which the U.S. EPA failed to promulgate an emission standard by May 15, 2002; or~~
 - ~~(3) The MACT standard or standards for the affected source categories included at the source are promulgated.~~
- ~~(c) Notwithstanding paragraph (a), pursuant to 40 CFR 63.56(a), the Permittee shall comply with an applicable promulgated MACT standard in accordance with the schedule provided in the MACT standard if the MACT standard is promulgated prior to the Part 2 MACT Application deadline or prior to the issuance of permit with a case by case Section 112(j) MACT determination. The MACT requirements include the applicable General Provisions requirements of 40 CFR 63, Subpart A. Pursuant to 40 CFR 63.9(b), the Permittee shall submit an initial notification not later than 120 days after the effective date of the MACT, unless the MACT specifies otherwise. The initial notification shall be submitted to:~~

_____ Indiana Department of Environmental Management
_____ Compliance Data Section, Office of Air Quality
_____ 100 North Senate Avenue,
_____ Indianapolis, Indiana 46204-2254

_____ and

_____ United States Environmental Protection Agency, Region V
_____ Director, Air and Radiation Division
_____ 77 West Jackson Boulevard
_____ Chicago, Illinois 60604-3590

28. Table of Contents section of the permit has been revised accordingly.

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No.: 037-22015-00089 and Significant Permit Modification No. 037-22439-00089. The staff recommends to the Commissioner that this Part 70 Minor Source Modification and Significant Permit Modification be approved.

Appendix A: Emission Calculations
Particulate Matter

Company Name: Jasper Engine Exchange, Inc.
Address City IN Zip: 815 Wernsing Road, Jasper, IN 47547
MSM No.: 037-22015-00089
SPM No.: 037-22439-00089
Reviewer: Alic Bent/EVP

Existing Units that were inadvertently omitted from Title V Renewal No. T037-17555-00089.

ID #	Outlet Loading (gr/acf)	CFM	Control Efficiency	Allowable Emissions	Uncontrolled Emissions (ton/yr) (b)	Controlled Emissions	
				per 326 IAC 6.5-1-2 (lb/hr) (a)		(ton/yr)	(lb/hr)
BLA030	0.00001	15000	99.00%	3.86	0.563	5.63E-03	1.29E-03
BLA031	0.00001	15000	99.00%	3.86	0.563	5.63E-03	1.29E-03
BLA032	0.00001	15000	99.00%	3.86	0.563	5.63E-03	1.29E-03
BLA033	0.0000049	3000	99.90%	0.77	0.552	5.52E-04	1.26E-04
BLA034	0.00001	15000	99.00%	3.86	0.563	5.63E-03	1.29E-03
BLA008	0.00003	5000	99.00%	1.29	0.563	5.63E-03	1.29E-03
BLA041	0.000002	6400	99.90%	1.65	0.481	4.81E-04	1.10E-04
BLA059	0.00018	900	99.00%	0.23	0.608	6.08E-03	1.39E-03
Total Emissions:				19.4	4.5	0.04	0.01

New Units

ID #	Outlet Loading (gr/acf)	CFM	Control Efficiency	Allowable Emissions	Uncontrolled Emissions (ton/yr) (b)	Controlled Emissions	
				per 326 IAC 6.5-1-2 (lb/hr) (a)		(ton/yr)	(lb/hr)
BLA501	0.002256	600	99.00%	0.15	5.082	5.08E-02	1.16E-02
BLA502	0.000169	1550	99.00%	0.40	0.983	9.83E-03	2.25E-03
BLA503	0.000029	5000	99.00%	1.29	0.544	5.44E-03	1.24E-03
BLA504	0.000029	5000	99.00%	1.29	0.544	5.44E-03	1.24E-03
BLA505	0.000011	13800	99.00%	3.55	0.570	5.70E-03	1.30E-03
BLA506	0.000056	5000	99.00%	1.29	1.051	1.05E-02	2.40E-03
BLA507	0.000056	5000	99.00%	1.29	1.051	1.05E-02	2.40E-03
Total Emissions:				9.2	9.8	0.10	0.02

Methodology:

(a) Pursuant to 326 IAC 6.5-1-2, allowable emissions are calculated by:

$$\text{Allowable emissions} = (0.03 \text{ gr/acf}) * \text{Air Flow Rate (cfm)} * 60 \text{ min/hr} * (1/7000) \text{ lb/gr} * 8760 \text{ hr/yr} / 2000 \text{ lb/ton} / (1 - \text{control efficiency})$$

(b) Potential emissions = Outlet loading (gr/acf) * Air Flow Rate (cfm) * 60 min/hr * (1/7000) lb/gr * 8760 hr/yr / 2000 lb/ton / (1-control efficiency)

**Appendix A: Emission Calculations
From Fuel Combustion Operations**

Company Name: Jasper Engine Exchange, Inc.
Address City IN Zip: 815 Wernsing Road, Jasper, IN 47547
MSM No.: 037-22015-00089
SPM No.: 037-22439-00089
Reviewer: Alic Bent/EVP

Potential Emissions (uncontrolled):															
Source Type	No. of Equip.	Total Capacity (mmBtu/hr)	Fuel Usage (1000 gal/yr)	Emission Factors (lb/unit) (a)						Potential Emissions (ton/yr)					
				PM	PM10	SO2	NOx	VOC	CO	PM	PM10	SO2	NOx	VOC	CO
Engine (unlimited)															
IC Engines - Diesel Fuel Fired (DYN057)	1	3.50	222.2	0.31	0.31	0.29	4.41	0.36	0.95	4.8	4.8	4.4	67.6	5.5	14.6
Total Potential Emissions:										4.8	4.8	4.4	67.6	5.5	14.6

Methodology:

- (a) Unit = mmBtu for IC Engines liquid fuel combustion
 (b) Emission Factors from EPA 450/4-90-003, SCC #2-01-002-02
 (c) Emission Factors from AP-42, Chapter 3.3, SCC #2-02-003-02 & #2-03-003-01
 (d) The source limited the IC Engine combustions to: (1) 10,000 gal/yr of gasoline; (2) 100,000 gal/yr of diesel fuel; and (3) 119.7 mmSCF/yr of natural gas in their existing Title V permit.
 The source will continue to comply with these limits after the addition of the proposed internal combustion engine DYN057.

Appendix A: Emission Calculation
HAP Emission Calculation

Company Name: Jasper Engine Exchange, Inc.
Address City IN Zip: 815 Wernsing Road, Jasper, IN 47547
MSM Number: 037-22015-00089
SPM No.: 037-22439-00089
Permit Reviewer: Alic Bent/EVP

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Ethylene Glycol	Weight % Glycol Ethers	Ethylene Glycol Emissions (ton/yr)	Glycol Ethers Emissions (ton/yr)
PTB012							
B42W111	9.8	0.040000	4.00	3.00%	5.00%	0.21	0.34

Total State Potential Emissions **0.21** **0.34**

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

**Appendix A: Emission Calculations
VOC Emissions From Degreasing Operations**

Company Name: Jasper Engine Exchange, Inc.
Address City IN Zip: 815 Wernsing Road, Jasper, IN 47547
MSM No.: 037-22015-00089
SPM No.: 037-22439-00090
Reviewer: Alic Bent/EVP

State Potential Emissions (uncontrolled):								
Material	Process	Density (Lb/Gal)	Weight % Volatile (H2O& Organics)	Weight % Water	Weight % Organics	Maximum Usage (gal/day)	Potential VOC pounds per day	Potential VOC tons per year
142 Solvent	SCT501	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT502	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT503	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT504	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT505	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT506	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT507	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT508	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT509	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT510	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
142 Solvent	SCT511	6.65	100.00%	0.00%	100.00%	0.3	2.00	0.36
Potential Emissions:								4.00

Methodology:

Potential VOC Tons per Year = Pounds of VOC per Gallon Solvent (lb/gal) * Solvent Usage Rate (gal/day) * (365 day/yr) * (1 ton/2000 lbs)