INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: March 5, 2009

RE: Jasper Engine Exchange, Inc. / 037-27252-00089

FROM: Matthew Stuckey, Branch 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 permit modification 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, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) 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.

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Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of a Title V operating permit or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impractible to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

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
FNTV-PMOD.doc 3/27/08

IDEM

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Mr. Robert Calvert
Jasper Engine Exchange, Inc.
815 Wernsing Road
Jasper, IN 47547-0650

March 5, 2009

Re: 037-27252-00089
Minor Permit Modification to
Part 70 Renewal No.: T 037-17555-00089

Dear Mr. Calvert:

Jasper Engine Exchange, Inc. was issued a Part 70 Operating Permit Renewal on April 1, 2004 for a stationary engine, transmission and differential parts remanufacturing plant. A letter requesting changes to this permit was received on November 13, 2008. Pursuant to the provisions of 326 IAC 2-7-12 a minor permit modification to this permit is hereby approved as described in the attached Technical Support Document.

This modification consists of the addition of seven (7) plastic blaster units, three (3) steel shot blaster units, one (1) soda blasting unit and three (3) natural gas controlled pyrolysis cleaning furnaces.

For your convenience, the entire Part 70 Operating Permit as modified has been provided.

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 Charles Sullivan, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or call at (800) 451-6027, and ask for Charles Sullivan or extension (4-6544), or dial (317) 234-6544.

Sincerely,

Donald F. Robin, P.E., Section Chief
Permits Branch
Office of Air Quality

Attachments:
Updated Permit
Technical Support Document
PTE Calculations

DFR/cs

cc: File – Dubois County
Dubois County Health Department
U.S. EPA, Region V
IDEM Southwest Regional Office
Air Compliance Inspector
Compliance Data Section
Permits Administration and Support

Mr. Michael A. Schwenk
Jasper Engine Exchange, Inc.
P.O. Box 650
Jasper, IN 47547-0650

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PART 70 OPERATING PERMIT
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.

Operating Permit No.: T 037-17555-00089	
Issued by: Original Signed by: Janet G. McCabe, Assistant Commissioner Permits Branch Office of Air Quality	Issuance Date: April 1, 2004 Expiration Date: April 1, 2009

Minor Permit Modification No.: T 037-27252-00089	
Issued by: Original Signed by: Donald F. Robin, P.E., Section Chief Permits Branch Office of Air Quality	Issuance Date: March 5, 2009 Expiration Date: April 1, 2009

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SECTION A SOURCE SUMMARY

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

A.1 General Information [326 IAC 2-7-4(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 remaufacturing plant.

Source Address:	815 Wernsing Road, Jasper, Indiana 47547
Mailing Address:	P.O. Box 650, Jasper, Indiana 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 Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, under Nonattainment NSR Rules Minor Source, under Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(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 horsepower (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) four (4) natural gas controlled pyrolysis cleaning furnaces, identified as OVE001, OVE002, OVE003, and OVE004, each with a maximum throughput of 4,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, each with a total maximum heat input capacity of 0.43 MMBtu/hr, each using a natural gas afterburner for control, each exhausting through a stack;

(p) three (3) natural gas controlled pyrolysis cleaning furnaces, approved for construction in 2008, each unit using a natural gas afterburner for control, and each exhausting through a stack:

(1) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0013 with a maximum throughput of 6,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.72 MMBtu/hr;

(2) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0014 with a maximum throughput of 4,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr;

(3) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0015 with a maximum throughput of 2,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr;

(q) 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, machining operations and sand blasting operations with an uncontrolled potential particulate emissions of greater than 25 pounds per day and the following:

(1) one (1) soda blasting unit, approved for construction in 2008, identified as BLA-056, with a maximum capacity of 12.5 lb/hr of blast media, controlled by baghouse DUC-052, exhausting indoors only;

(2) one (1) soda blasting unit, approved for construction in 2008, identified as BLA-057, with a maximum capacity of 12.5 lb/hr of blast media, controlled by baghouse DUC-051, exhausting indoors only;

(r) one (1) soda blasting unit, identified as BLA-037, equipped with a baghouse for particulate control, identified as DUC-068, exhausting inside the building, capacity: 60 units per hour;

(s) 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;

(t) one (1) plastic bead blast unit, approved for construction in 2008, identified as BLA-073, with a maximum capacity of 108 lb/hr of blast media, controlled by baghouse DUC-073, exhausting indoors only;

(u) four (4) pneumatic plastic bead blasting units, identified as BLA074, BLA076, BLA078, and BLA080, each with a maximum capacity of 108 lb/hr blast media, each with a maximum process weight rate of 1020 lb/hr, each using a dust collector for control, and each exhausting indoors;

(v) four (4) mechanically powered steel shot blasting units, identified as BLA075, BLA077, BLA079, and BLA081, each with a maximum capacity of 800 lb/hr blast media, each with a maximum process weight rate of 1200 lb/hr, each using a baghouse for control, and each exhausting indoors;

(w) seven (7) plastic blaster units, approved for construction in 2008:

(1) one (1) unit, identified as BLA067, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA067;

(2) three (3) units, identified as BLA086, BLA087, and BLA088, each with a maximum capacity of 108 lb/hr blast media, each with a maximum process weight rate of 1020 lb/hr, and each controlled by baghouse DUC-052.

(3) one (1) unit, identified as BLA089, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse DUC-503;

(4) one (1) unit, identified as BLA090, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA090;

(5) one (1) unit, identified as BLA091, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA091; and

(x) three (3) steel shot blaster units, approved for construction in 2008:

(1) two (2) steel shot blast units, identified as BLA084 and BLA026, each with a maximum capacity of 1080 lb/hr blast media, each with a maximum process weight rate of 1200 lb/hr. Each unit controlled by baghouse DUC-052;

(2) one (1) steel shot blast units, identified as BLA085, with a maximum capacity of 1080 lb/hr blast media, with a maximum process weight rate of 1200 lb/hr, and controlled by baghouse BLA-085.

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) three (3) baghouses, identified as BLA007, BLA009 and BLA011, 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, DUC003, 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, sandblasting and machining operations, including deburring, buffing, polishing and abrasive blasting; [326 IAC 6.5-1-2]

(f) two (2) baghouses (ID Nos. DUC006 and DUC-063), 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-068, exhausting inside the building, capacity: 315 pounds of abrasive per hour; [326 IAC 6.5-1-2]

(i) two (2) armex empire blasting units, identified as BLA-503 and BLA-504, each installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each; [326 IAC 6.5-1-2]

(j) one (1) armex empire blasting unit, identified as BLA-505, installed in 2006, equipped with a baghouse for particulate control, identified as DUC-068, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour; [326 IAC 6.5-1-2]

(k) 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]

(l) 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]

(m) four (4) sodium bicarbonate blast cabinets, identified as BLA031, BLA032, BLA034, and BLA042, controlled by a dust collector, identified as DUC051; [326 IAC 6.5-1-2]

(n) one (1) sodium bicarbonate blast cabinet, identified as BLA033, controlled by a dust collector, identified as DUC027; [326 IAC 6.5-1-2]

(o) one (1) abrasive blaster using coal slag (Black Beauty) media, identified as BLA008, controlled by a dust collector, identified as DUC051; [326 IAC 6.5-1-2]

(p) one (1) abrasive blaster using coal slag (Black Beauty) media, identified as BLA041, controlled by a dust collector, identified as DUC-068; [326 IAC 6.5-1-2]

(q) one (1) dust collector, identified as DUC045 for controlling emissions from machining operations and from one (1) abrasive blaster using coal slag (Black Beauty) media, identified as BLA059; [326 IAC 6.5-1-2]

(r) one (1) pneumatic soda blasting unit, approved for construction in 2008, identified as BLA082, with a maximum capacity of 12.5 lb/hr blast media, with a maximum process weight rate of 300 lb/hr, using a baghouse DUC-068 for control; and [326 IAC 6.5-1-2]

(s) one (1) soda blasting unit, approved for construction in 2008, identified as BLA064, with a maximum capacity of 12.5 lb/hr blast media, with a maximum process weight rate of 300 lb/hr, and controlled with existing baghouse DUC-068. [326IAC 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 B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

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

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, T037-17555-00089, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, 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.4 Enforceability [326 IAC 2-7-7]

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

B.5 Severability [326 IAC 2-7-5(5)]

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

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

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

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

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

B.8 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 the "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.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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) The Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) 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) 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).

(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, and Southwest Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
Southwest Regional Office phone: (812) 380-2305; fax: (812) 380-2304.

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

The notice fulfills the requirement of 326 IAC 2-7-5(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.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an

alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

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

(a) All terms and conditions of 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.

(b) Provided that all terms and conditions are accurately reflected in this 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.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before

notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 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.

B.18 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

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

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs
[326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 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 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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

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

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

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). 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 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.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.22 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

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

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

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

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

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall

contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) 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 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Advanced Source Modification Approval [326 IAC 2-7-5(16)][326 IAC 2-7-10.5]

(a) The requirements to obtain a source modification approval under 326 IAC 2-7-10.5 or a permit modification under 326 IAC 2-7-12 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.

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

B.26 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.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

C.1 Opacity [326 IAC 5-1]

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

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

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

C.2 Open Burning [326 IAC 4-1][IC 13-17-9]

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

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

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

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

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

C.5 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

C.6 Asbestos Abatement Projects [326 IAC 14-10][326 IAC 18][40 CFR 61, Subpart M]

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

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.7 Performance Testing [326 IAC 3-6]

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

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

C.10 Monitoring Methods [326 IAC 3][40 CFR 60][40 CFR 63]

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

C.11 Instrument Specifications [326 IAC 2-1.1-11][326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

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

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

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.12 Emergency Reduction Plans [326 IAC 1-5-2][326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on March 31, 2003.

(b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(12)][40 CFR 68]

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

C.14 Response to Excursions or Exceedances [326 IAC 2-7-5][326 IAC 2-7-6]

(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; and/or

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

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

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

C.16 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) 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
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

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

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)][326 IAC 2-7-6]

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

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

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)][326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "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.

Stratospheric Ozone Protection

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

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

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

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

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

SECTION D.1 EMISSIONS UNIT 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:

(l) 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 emissions unit 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 Volatile Organic Compounds (VOC) [326 IAC 2-2]

The Permittee shall comply with the following:

The total VOC input to the paint booths, identified as Engine, Stern Drive, Radiator, Diesel Engine, Transmission, PTB-007, and PTB012, shall not exceed 60 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with the above limit, combined with Condition D.2.1 and the potential to emit VOC from other emission units at the source, shall limit the VOC from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 not applicable.

D.1.5 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, PTB-007, and PTB012) 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.1.6 NESHAP Minor Limit [40 CFR Part 63, Subpart A][40 CFR Part 63, Subpart MMMM] [326 IAC 20-1] [326 IAC 20-80]

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.1.7 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, D.1.4, and D.1.6 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.1.8 Particulate Control

In order to comply with D.1.5, 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.1.9 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.1.10 Record Keeping Requirements

(a) To document compliance with Conditions D.1.1, D.1.2, D.1.4, and D.1.6, 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, D.1.2, D.1.4, and D.1.6. 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 total single and combined HAP usage for each month.
(5) The total VOC and total single and combined HAP usage 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.1.11 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.4 and D.1.6 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 EMISSIONS UNIT 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 horsepower (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) four (4) natural gas controlled pyrolysis cleaning furnaces, identified as OVE001, OVE002, OVE003, and OVE004, each with a maximum throughput of 4,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, each with a total maximum heat input capacity of 0.43 MMBtu/hr, each using a natural gas afterburner for control, each exhausting through a stack;

(p) three (3) natural gas controlled pyrolysis cleaning furnaces, approved for construction in 2008, each unit using a natural gas afterburner for control, and each exhausting through a stack:

(1) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0013 with a maximum throughput of 6,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.72 MMBtu/hr;

(2) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0014 with a maximum throughput of 4,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr;

(3) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0015 with a maximum throughput of 2,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr; and

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 emissions unit 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 usage for reciprocating internal combustion engines and controlled pyrolysis cleaning furnaces as follows:

(a) Natural gas usage for all reciprocating internal combustion engines and controlled pyrolysis cleaning furnaces shall not exceed 119.7 million standard cubic feet per 12 consecutive month period with compliance determined at the end of each month.

(b) #2 diesel fuel usage for all reciprocating internal combustion engines shall not exceed 100,000 gallons per 12 consecutive month period with compliance determined at the end of each month.

(c) Gasoline usage for all reciprocating internal combustion engines shall not exceed 10,000 gallons per 12 consecutive month period with compliance determined at the end of each month.

Compliance with these fuel usage limits, combined with Condition D.1.4 and the potential to emit VOC, NOx, and CO from other emission units at the source, shall limit VOC, NOx, and CO from the entire source to less than 250 tons per twelve (12) consecutive month period each and render 326 IAC 2-2 (PSD) not applicable.

D.2.2 Incinerator Requirements [326 IAC 4-2]

Pursuant to 326 IAC 4-2, the seven (7) controlled pyrolysis cleaning furnaces, identified as OVE001, OVE002, OVE003, OVE004, OVE013, OVE014 and OVE015 shall:

(1) Consist of primary and secondary chambers or equivalent;

(2) Be equipped with a primary burner unless burning wood products;

(3) Comply with 326 IAC 5-1 and 326 IAC 2;

(4) Be maintained properly as specified by the manufacturer and approved by the commissioner;

(5) Be operated according to the manufacturer's recommendations and only burn waste approved by the commissioner;

(6) Comply with other state and/or local rules or ordinances regarding installation and operation of incinerators;

(7) Be operated so that emissions of hazardous material including but not limited to viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented; and

(8) Not create a nuisance or fire hazard.

If any of the above requirements are not met, burning shall be terminated immediately.

D.2.3 Particulate [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2, particulate matter emissions from the seven (7) controlled pyrolysis cleaning furnaces, identified as OVE001, OVE002, OVE003, OVE004, OVE013, OVE014, and OVE015 shall each not exceed 0.03 grains per dry standard cubic foot.

D.2.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenace Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the seven (7) controlled pyrolysis cleaning furances (OVE001-OVE004, OVE013-OVE015) and their control devices.

Compliance Determination Requirements

D.2.5 Fuel Usage

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 usage since last compliance determination period.

D.2.6 Particulate Matter

In order to comply with Condition D.2.3, the afterburners for particulate control shall be in operation and control emissions from the controlled pyrolysis cleaning furnaces (OVE001-OVE004 and OVE013-OVE015) at all times the controlled pyrolysis cleaning furnaces are in operation.

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

D.2.7 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 usage by all reciprocating internal combustion engines and controlled pyrolysis cleaning furnaces at the source.

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

D.2.8 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 EMISSIONS UNIT OPERATION CONDITIONS

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

(p) 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, machining operations and sand blasting operations with an uncontrolled potential particulate emissions of greater than 25 pounds per day and the following:

(1) one (1) soda blasting unit, approved for construction in 2008, identified as BLA-056, with a maximum capacity of 12.5 lb/hr of blast media, controlled by baghouse DUC-052, exhausting indoors only;

(2) one (1) soda blasting unit, approved for construction in 2008, identified as BLA-057, with a maximum capacity of 12.5 lb/hr of blast media, controlled by baghouse DUC-051, exhausting indoors only;

(q) one (1) soda blasting unit, identified as BLA-037, equipped with a baghouse for particulate control, identified as DUC-068, exhausting inside the building, capacity: 60 units per hour;

(r) 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;

(s) one (1) plastic bead blast unit, approved for construction in 2008, identified as BLA-073, with a maximum capacity of 108 lb/hr of blast media, controlled by baghouse DUC-073, exhausting indoors only;

(t) four (4) pneumatic plastic bead blasting units, identified as BLA074, BLA076, BLA078, and BLA080, each with a maximum capacity of 108 lb/hr blast media, each with a maximum process weight rate of 1020 lb/hr, each using a dust collector for control, and each exhausting indoors;

(u) four (4) mechanically powered steel shot blasting units, identified as BLA075, BLA077, BLA079, and BLA081, each with a maximum capacity of 800 lb/hr blast media, each with a maximum process weight rate of 1200 lb/hr, each using a baghouse for control, and each exhausting indoors;

(w) seven (7) plastic blaster units, approved for construction in 2008:

(1) one (1) unit, identified as BLA067, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA067;

(2) three (3) units, identified as BLA086, BLA087, and BLA088, each with a maximum capacity of 108 lb/hr blast media, each with a maximum process weight rate of 1020 lb/hr, and each controlled by baghouse DUC-052.

(3) one (1) unit, identified as BLA089, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse DUC-503;

(4) one (1) unit, identified as BLA090, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA090;

(5) one (1) unit, identified as BLA091, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA091;

(x) three (3) steel shot blaster units, approved for construction in 2008:

(1) two (2) steel shot blast units, identified as BLA084 and BLA026, each with a maximum capacity of 1080 lb/hr blast media, each with a maximum process weight rate of 1200 lb/hr, and each unit controlled by baghouse DUC-052; and

(2) one (1) steel shot blast unit, identified as BLA085 with a maximum capacity of 1080 lb/hr blast media, with a maximum process weight rate of 1200 lb/hr, and controlled by baghouse BLA-085;

Insignificant Activities:

(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-068, exhausting inside the building, capacity: 315 pounds of abrasive per hour; [326 IAC 6.5-1-2]

(i) two (2) armex empire blasting units, identified as BLA-503 and BLA-504, each installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each; [326 IAC 6.5-1-2]

(j) one (1) armex empire blasting unit, identified as BLA-505, installed in 2006, equipped with a baghouse for particulate control, identified as DUC-068, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour; and [326 IAC 6.5-1-2]

(k) 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]

(j) one (1) armex empire blasting unit, identified as BLA-505, installed in 2006, equipped with a baghouse for particulate control, identified as DUC-068, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour; and [326 IAC 6.5-1-2]

(m) four (4) sodium bicarbonate blast cabinets, identified as BLA031, BLA032, BLA034, and BLA042, controlled by a dust collector, identified as DUC051; [326 IAC 6.5-1-2]

(o) one (1) abrasive blaster using coal slag (Black Beauty) media, identified as BLA008, controlled by a dust collector, identified as DUC051; [326 IAC 6.5-1-2]

(p) one (1) abrasive blaster using coal slag (Black Beauty) media, identified as BLA041, controlled by a dust collector, identified as DUC-068; [326 IAC 6.5-1-2]

(r) one (1) pneumatic soda blasting unit, approved for construction in 2008, identified as BLA082, with a maximum capacity of 12.5 lb/hr blast media, with a maximum process weight rate of 300 lb/hr, using a baghouse DUC-068 for control; and [326 IAC 6.5-1-2]

(s) one (1) soda blasting unit, approved for construction in 2008, identified as BLA064, with a maximum capacity of 12.5 lb/hr blast media, with a maximum process weight rate of 300 lb/hr, controlled by baghouse DUC-068. [326IAC 6.5-1-2]

(The information describing the process contained in this emissions unit 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 Matter (PM) [326 IAC 6.5-1-2]

(a) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the grinding and machining operations and blasting units, identified as BLA-056, BLA-057, BLA031, BLA032, BLA034, BLA042, BLA008, BLA-026, BLA-084, BLA-086, BLA-087, and BLA-088 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(a), particulate matter emissions from six (6) blasting units, identified as BLA-037, BLA-502, BLA-505, BLA041, BLA082, and BLA-064 controlled by one (1) baghouse, identified as DUC-068, shall not exceed 0.03 grains per dry standard cubic foot.

(c) Pursuant to 326 IAC 6.5-1-2(a), 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) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the one (1) plastic bead abrasive blasting unit, identified as BLA-073, shall not exceed 0.03 grains per dry standard cubic foot.

(e) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the four (4) plastic bead blasting units, identified as BLA074, BLA076, BLA078, and BLA080, shall not exceed 0.03 grains per dry standard cubic foot each.

(f) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the four (4) steel shot blasting units, identified as BLA075, BLA077, BLA079, and BLA081, shall not exceed 0.03 grains per dry standard cubic foot each.

(g) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from three (3) blasting units, identified as BLA-089, BLA-503, and BLA-506 controlled by one (1) baghouse, identified as DUC-503, shall not exceed 0.03 grains per dry standard cubic foot.

(h) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from one (1) plastic bead blasting unit, identified as BLA-067, controlled by one (1) baghouse, identified as BLA-067, shall not exceed 0.03 grains per dry standard cubic foot.

(i) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from one (1) plastic bead blasting unit, identified as BLA-090, controlled by one (1) baghouse, identified as BLA-090, shall not exceed 0.03 grains per dry standard cubic foot.

(j) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from one (1) plastic bead blasting unit, identified as BLA-091, controlled by one (1) baghouse, identified as BLA-091, shall not exceed 0.03 grains per dry standard cubic foot.

(k) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the one (1) steel shot blasting unit, identified as BLA085, controlled by one (1) baghouse, identified as BLA-085, shall not exceed 0.03 grains per dry standard cubic foot.

(l) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from two (2) blasting units, identified as BLA504 and BLA-507, controlled by one (1) baghouse, identified as DUC-504, shall not exceed 0.03 grains per dry standard cubic foot.

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

Pursuant to Significant Permit Modification No. 037-17110-00089, issued on July 11, 2003 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.

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 BLA008, BLA031, BLA032, BLA034, BLA-037, BLA041, BLA042, BLA-056, BLA-057, BLA-073, BLA074-BLA082, BLA026, BLA064, BLA067, BLA084-BLA091, BLA-501, BLA-502, and BLA-505 and their control devices.

Compliance Determination Requirement

D.3.4 Particulate Control

In order to comply with Condition D.3.1, the baghouses for particulate control shall be in operation and control emissions from BLA-073, BLA-037, BLA-501, BLA074-BLA082, BLA-502, BLA-505, BLA026, BLA064, BLA067, and BLA084-BLA091 at all times that the units are in operation.

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

D.3.5 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.

SECTION D.4 EMISSIONS UNIT 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) three (3) baghouses, identified as BLA007, BLA009 and BLA011, 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, DUC003, 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, sandblasting and machining operations, including deburring, buffing, polishing and abrasive blasting; [326 IAC 6.5-1-2]

(f) two (2) baghouses (ID Nos. DUC006 and DUC-063), 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]

(n) one (1) sodium bicarbonate blast cabinet, identified as BLA033, controlled by a dust collector, identified as DUC027; and [326 IAC 6.5-1-2]

(q) one (1) dust collector, identified as DUC045 for controlling emissions from machining operations and from one (1) abrasive blaster using coal slag (Black Beauty) media, identified as BLA059; and [326 IAC 6.5-1-2]

(The information describing the process contained in this emissions unit 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 Matter (PM) [326 IAC 6.5-1-2(b)(3)]

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(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Dubois County Particulate Limitations), particulate matter (PM) emissions from the blasting operations controlled by four (4) baghouses, identified as BLA007, BLA009, BLA011, and DUC045, and grinding and machining operations controlled by eight (8) baghouses, identified as DUC001, DUC003, DUC006, DUC015, DUC021, DUC027, DUC045, and DUC-063 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	DUC021	2,000	0.51
BLA009	1,250	0.32	DUC027	3,000	0.77
BLA011	420	0.11	DUC045	15,000	3.86
DUC001	4,000	1.03	DUC063	12,000	3.08
DUC003	1,200	0.31	---	---	---
DUC006	18,000	4.63	---	---	---
DUC015	2,200	0.57	---	---	---

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 IAC 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 of 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 Condition D.4.2, the baghouses for particulate control shall be in operation and control emissions from abrasive blaster BLA059, the sand blasting operations controlled by baghouses BLA007, BLA009 and BLA011, and the grinding and machining operations controlled by DUC001 and DUC027 at all times the units are in operation.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Jasper Engine Exchange, Inc.
Source Address: 815 Wernsing Road, Jasper, Indiana 47547
Mailing Address: P.O. Box 650, Jasper, Indiana 47547-0650
Part 70 Permit No.: T037-17555-00089

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

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

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Jasper Engine Exchange, Inc.
Source Address: 815 Wernsing Road, Jasper, Indiana 47547
Mailing Address: P.O. Box 650, Jasper, Indiana 47547-0650
Part 70 Permit No.: T037-17555-00089

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

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

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

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

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

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: Jasper Engine Exchange, Inc.
Source Address: 815 Wernsing Road, Jasper, Indiana 47547
Mailing Address: P.O. Box 650, Jasper, Indiana 47547-0650
Part 70 Permit No.: T037-17555-00089
Facility: Reciprocating Internal Combustion Engines and Controlled Pyrolysis Cleaning Furnaces (OVE001-OVE004 and OVE013 – OVE015)
Parameter: Fuel Usage
Limit:
(a) natural gas usage for all reciprocating internal combustion engines and controlled pyrolysis cleaning furnaces (OVE001-OVE004 and OVE013 – OVE015) shall not exceed 119.7 million cubic feet (MMCF) per 12 consecutive month period, with compliance determined at the end of each month;
(b) #2 diesel fuel usage for all reciprocating internal combustion engines shall not exceed 100,000 gallons per 12 consecutive month period, with compliance determined at the end of each month; and
(c) gasoline usage for all reciprocating internal combustion engines shall not exceed 10,000 gallons per 12 consecutive month period, with compliance determined at the end of each month.

QUARTER : _____ YEAR: _____

	Column 1	Column 2	Column 1 + 2
	This Month	Previous 11 Months	12 Month Total
Month-1 / Natural Gas (MMCF)			
Month-1 / #2 Diesel Fuel (Gallons)			
Month-1 / Gasoline (Gallons)			
Month-2 / Natural Gas (MMCF)			
Month-2 / #2 Diesel Fuel (Gallons)			
Month-2 / Gasoline (Gallons)			
Month-3 / Natural Gas (MMCF)			
Month-3 / #2 Diesel Fuel (Gallons)			
Month-3 / Gasoline (Gallons)			

☐ No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Jasper Engine Exchange, Inc.
Source Address: 815 Wernsing Road, Jasper, Indiana 47547
Mailing Address: P.O. Box 650, Jasper, Indiana 47547-0650
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.

QUARTER: _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature:_____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Jasper Engine Exchange, Inc.
Source Address: 815 Wernsing Road, Jasper, Indiana 47547
Mailing Address: P.O. Box 650, Jasper, Indiana 47547-0650
Part 70 Permit No.: T037-17555-00089
Facility: Surface Coating Operations (Engine, Stern Drive, Radiator, Diesel Engine, Transmission, PTB-007, PTB012)
Parameter: VOC Usage
Limit: Shall not exceed 60 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

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

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.

Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature:_____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Jasper Engine Exchange, Inc.
Source Address: 815 Wernsing Road, Jasper, Indiana 47547
Mailing Address: P.O. Box 650, Jasper, Indiana 47547-0650
Part 70 Permit No.: T037-17555-00089

Months: _____ to _____ Year: _____

Page 1 of 2

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

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

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

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

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Description and Location

Source Name:	Jasper Engine Exchange, Inc
Source Location:	815 Wernsing Road, Jasper, IN 47547
County:	Dubois
SIC Code:	3714, 3519, 7537 and 7539
Operation Permit Renewal No.:	T 037-17555-00089
Operation Permit Issuance Date:	April 1, 2004
Minor Source Modification No.:	037-27134-00089
Minor Permit Modification No.:	037-27252-00089
Permit Reviewer:	Charles Sullivan

Existing Approvals

The source was issued Part 70 Operating Permit Renewal No. 037-17555-00089 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;

(b) Second Significant Permit Modification No. 037-19033-00089, issued on March 15, 2005;

(c) First Minor Source Modification No. 037-22015-00089, issued on January 26, 2006;

(d) Third Significant Permit Modification No. 037-22439-00089, issued on March 23, 2006;

(e) Second Minor Source Modification No. 037-25481-00089, issued on March 20, 2008;

(f) Fourth Significant Permit Modification No. 037-26007-00089, issued on May 19, 2008;

(g) First Significant Source Modification No.: 037-26280-00089, issued August 28, 2008; and

(h) Fifth Significant Permit Modification No. 037-26319-00089, issued on September 17, 2008.

County Attainment Status

The source is located in Dubois County

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment effective June 15, 2004, for the 8-hour standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.

[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.
Basic nonattainment designation effective federally April 5, 2005, for PM2.5.

(a) Ozone Standards

(1) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

(2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, St. Joseph as attainment for the 8-hour ozone standard.

(3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Clark, Elkhart, Floyd, LaPorte, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, Shelby, and St. Joseph as attainment for the 8-hour ozone standard.

(4) 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) PM2.5
Dubois County has been classified as attainment for PM2.5. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5 emissions, and the effective date of these rules was July 15, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM10 emissions as a surrogate for PM2.5 emissions until 326 IAC 2-2 is revised.

(c) Other Criteria Pollutants
Dubois County has been classified as attainment or unclassifiable in Indiana for PM_{10}, SO_2, NO_2, CO, and Lead. 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:

Table 1: Source Status PTE

Pollutant	**Emissions** (ton/yr)
PM	28.62
PM_{10}	28.53
$PM_{2.5}$	28.53
SO_2	2.23
VOC	207.8
CO	138.6
NO_X	249.4

(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 the total potential to emit of the source after the most recent source modification as provided in the TSD for Significant Source Modification No. 037-26280-00089.

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:

Table 2: Source Status HAP PTE	
HAPs	**Potential To Emit** (ton/yr)
Single HAP	Less than 10.0
Total HAPs	**Less than 25.0**

This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area 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 2005 OAQ emission data.

Table 3: Actual Emissions	
Pollutant	**Actual Emissions** (ton/yr)
PM	0.72
PM_{10}	0.72
SO_2	0.42
VOC	38.03
CO	7.12
NO_X	47.37
HAP	Not Reported
Total HAPs	Not Reported

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Jasper Engine Exchange, Inc on November 13, 2008 relating to the addition of seven (7) plastic abrasive blasting units, three (3) shot blaster units, three (3) controlled pyrolysis cleaning furnaces and one (1) soda blasting unit. The following is a list of the proposed emission units and pollution control device(s):

(a) Seven (7) plastic blaster units, approved for construction in 2008:

(1) One (1) unit, identified as BLA067, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA067;

(2) Three (3) units, identified as BLA086, BLA087, and BLA088, each with a maximum capacity of 108 lb/hr blast media, each with a maximum process weight rate of 1020 lb/hr, and each controlled by baghouse DUC-052;

(3) One (1) unit, identified as BLA089, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse DUC-503;

(4) One (1) unit, identified as BLA090, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA090;

(5) One (1) unit, identified as BLA091, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA091;

(b) Three (3) steel shot blaster units, approved for construction in 2008:

(1) Two (2) steel shot blast units, identified as BLA084 and BLA026, each with a maximum capacity of 1080 lb/hr blast media, each with a maximum process weight rate of 1200 lb/hr, and each unit controlled by baghouse DUC-052;

(2) One (1) steel shot blast unit, identified as BLA085, with a maximum capacity of 1080 lb/hr blast media, with a maximum process weight rate of 1200 lb/hr, and controlled by baghouse BLA-085;

(c) One (1) soda blasting unit, approved for construction in 2008, identified as BLA064, with a maximum capacity of 12.5 lb/hr blast media, with a maximum process weight rate of 300 lb/hr, and controlled with existing baghouse DUC-068; and

(d) Three (3) natural gas controlled pyrolysis cleaning furnaces, approved for construction in 2008, each using a natural gas afterburner for control, and each exhausting through a stack:

(1) One (1) natural gas controlled pyrolysis cleaning furnace, identified as OVE013, with a maximum throughput of 6,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.72 MMBtu/hr;

(2) One (1) natural gas controlled pyrolysis cleaning furnace, identified as OVE014 with a maximum throughput of 4,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr;

(3) One (1) natural gas controlled pyrolysis cleaning furnace, identified as OVE015 with a maximum throughput of 2,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Stack Summary

The following table summarizes the stacks that correspond to the new emission units.

Table 4: Stack Summary

Stack ID	Operation	Height (ft)	Diameter (ft)	Flow Rate (acfm)	Temperature (^{0}F)
OVE013	OVE013	26	0.833	650	1400-1600
OVE014	OVE014	26	0.833	650	1400-1600
OVE015	OVE015	24	0.833	650	1400-1600

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70

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

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Table 5: PTE Before Controls of the Modification

Pollutant	Potential To Emit (ton/yr)
PM	130.03
PM_{10}	113.87
SO_2	0.04
VOC	30.52
CO	88.18
NO_X	1.17

Table 6: HAP PTE Before Controls of the Modification

HAPs*	Potential To Emit (ton/yr)
Hexane	0.0120
TOTAL	0.0130

*Additional HAPs with concentrations of less than 0.01 tons per year are included in Appendix A.

This source modification is a subject to 326 IAC 2-7-10.5(d)(8) because the modification has a potential to emit greater than the thresholds under subdivision (3) that adds an emissions unit or units of the same type that are already permitted and that will comply with the same applicable requirements and permit terms and conditions as the existing emissions unit or units. Additionally, the modification will be incorporated into the Part 70 Operating Permit through a Minor Permit Modification issued pursuant to 326 IAC 2-7-12(b) because the modification does not involve significant changes to existing monitoring, reporting, or record keeping requirements in the Part 70 permit and it does not require or change a case-by-case emission limit.

Permit Level Determination – PSD or Nonattainment NSR

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 Significant Source and Significant Permit Modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Table 7: Potential to Emit (ton/yr)						
Process / Emission Unit	**PM**	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**VOC**	**CO**	**NO_X**
New Unit: BLA064	0.01	0.01	0.01	--	--	--	--
New Unit: BLA067	0.05	0.05	0.05	--	--	--	--
New Unit: BLA086	0.05	0.05	0.05	--	--	--	--
New Unit: BLA087	0.05	0.05	0.05	--	--	--	--
New Unit: BLA088	0.05	0.05	0.05	--	--	--	--
New Unit: BLA089	0.05	0.05	0.05	--	--	--	--
New Unit: BLA090	0.05	0.05	0.05	--	--	--	--
New Unit: BLA091	0.05	0.05	0.05	--	--	--	--
New Unit: BLA084	0.19	0.16	0.16	--	--	--	--
New Unit: BLA085	0.35	0.30	0.30	--	--	--	--
New Unit: BLA026	0.05	0.05	0.05	--	--	--	--
New Unit: OVE013	0.12	0.14	0.14	0.02	15.24	43.80	0.24
New Unit: OVE014	0.06	0.07	0.07	0.01	7.62	21.90	0.12
New Unit: OVE015	0.06	0.07	0.07	0.01	7.62	21.90	0.12
New Unit: Natural Gas Combustion for OVE013-OVE015	3.9	3.9	3.9	2.2	8.9	51.0	248.9
Existing Units: Combustion							
Existing Units: Surface Coating	5.89	5.89	5.89	--	60	--	--
Other Existing Units	18.83	18.74	18.74	0.032	138.9	87.6	0.48
Total for Source After This Modification	29.81	29.68	29.68	2.27	238.28	226.20	249.9
Nonattainment NSR Major Source Thresholds	--	--	100	--	--	--	--
PSD Major Source Thresholds	250	250	--	250	250	250	250

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. This source shall remain a minor stationary source under PSD after this modification.

This modification to an existing minor stationary source is not major because the emissions increase is less than the Nonattainment NSR major source thresholds. Therefore, pursuant to 326 IAC 2-1.1-5, the Nonattainment NSR requirements do not apply. This source shall remain a minor stationary source under Nonattainment NSR after this modification.

Since this source has unrestricted potential to emit greater than 250 tons per year of VOC and NOx, the source has elected to limit the potential to emit at the source as follows:

(a) The total VOC input to the paint booths, identified as Engine, Stern Drive, Radiator, Diesel Engine, Transmission, PTB-007, and PTB012, shall not exceed 60 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(b) The source shall limit fuel usage for reciprocating internal combustion engines and controlled pyrolysis cleaning furnaces as follows:

(1) Natural gas usage for all reciprocating internal combustion engines and controlled pyrolysis cleaning furnaces shall not exceed 119.7 million standard cubic feet per 12 consecutive month period with compliance determined at the end of each month.

(2) #2 diesel fuel usage for all reciprocating internal combustion engines shall not exceed 100,000 gallons per 12 consecutive month period with compliance determined at the end of each month.

(3) Gasoline usage for all reciprocating internal combustion engines shall not exceed 10,000 gallons per 12 consecutive month period with compliance determined at the end of each month.

Compliance with these limits in combination with the potential to emit of other emission units at the source shall limit the VOC and NOx from the entire source to less than 250 tons per twelve (12) consecutive month period and render 326 IAC 2-2 not applicable. This source shall remain a minor stationary source under PSD after this modification.

Federal Rule Applicability Determination

The following federal rules are applicable to the source due to this modification:

NSPS:

(a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.

NESHAP:

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

CAM:

(c) 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 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 criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Table 8: CAM Applicability Analysis - PM

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (ton/yr)	Controlled PTE (ton/yr)	Major Source Threshold (ton/yr)	CAM Applicable (Y/N)	Large Unit (Y/N)
BLA067	Y-BH	Y	4.7	0.05	100	N	N
BLA086	Y-BH	Y	4.7	0.05	100	N	N
BLA087	Y-BH	Y	4.7	0.05	100	N	N
BLA088	Y-BH	Y	4.7	0.05	100	N	N
BLA089	Y-BH	Y	4.7	0.14	100	N	N
BLA090	Y-BH	Y	4.7	0.14	100	N	N
BLA091	Y-BH	Y	4.7	0.14	100	N	N
BLA085	Y-BH	Y	35.04	0.35	100	N	N
BLA084	Y-BH	Y	18.92	0.19	100	N	N
BLA026	Y-BH	Y	18.92	0.19	100	N	N
BLA064	Y-BH	Y	13.10	0.01	100	N	N
OVE013	Y-AB	Y	11.83	0.12	100	N	N
OVE014	Y-AB	Y	5.83	0.06	100	N	N
OVE015	Y-AB	Y	5.83	0.06	100	N	N

BH = baghouse, AB = afterburner

Table 9: CAM Applicability Analysis - PM10/PM2.5

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (ton/yr)	Controlled PTE (ton/yr)	Major Source Threshold (ton/yr)	CAM Applicable (Y/N)	Large Unit (Y/N)
BLA067	Y-BH	N	4.73	0.05	100	N	N
BLA086	Y-BH	N	4.73	0.05	100	N	N
BLA087	Y-BH	N	4.73	0.05	100	N	N
BLA088	Y-BH	N	4.73	0.05	100	N	N
BLA089	Y-BH	N	4.73	0.05	100	N	N
BLA090	Y-BH	N	4.73	0.05	100	N	N
BLA091	Y-BH	N	4.73	0.05	100	N	N
BLA085	Y-BH	N	30.13	0.30	100	N	N
BLA084	Y-BH	N	16.27	0.16	100	N	N
BLA026	Y-BH	N	16.27	0.16	100	N	N
BLA064	Y-BH	N	0.55	0.01	100	N	N
OVE013	Y-AB	N	5.83	0.06	100	N	N
OVE014	Y-AB	N	5.83	0.06	100	N	N
OVE015	Y-AB	N	5.83	0.06	100	N	N

BH = baghouse, AB = afterburner

Table 10: CAM Applicability Analysis - VOC

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (ton/yr)	Controlled PTE (ton/yr)	Major Source Threshold (ton/yr)	CAM Applicable (Y/N)	Large Unit (Y/N)
OVE013	Y-AB	N	15.24	0.15	100	N	N
OVE014	Y-AB	N	7.62	0.08	100	N	N
OVE015	Y-AB	N	7.62	0.08	100	N	N

AB = afterburner

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

The following state rules are applicable to the source due to the modification:

326 IAC 2-2 and 2-1.1-5 (PSD and Nonattainment NSR)
PSD and Nonattainment NSR applicability is discussed under the Permit Level Determination – PSD and Nonattainment NSR section.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The operation of blasting units BLA026, BLA064, BLA067, BLA084 - BLA091 will not produce HAP emissions. The operation of OVE013 - OVE015 will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)
Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted triennially. The first report is due no later than July 1, 2006, and subsequent reports are due every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 4-2 (Incinerators)
326 IAC 4-2 establishes standards for the use of incinerators which emit regulated pollutants. This rule does not apply to incinerators in residential units consisting of four or fewer families or to sources subject to 40 CFR 60, Subpart Eb; 40 CFR 60, Subpart Ec; 40 CFR 60, Subpart CCCC; 40 CFR 62.3640-3642; 40 CFR 62.3650-3652; or 40 CFR 63, Subpart EEE. The controlled pyrolysis cleaning furnaces are not subject to the previously mentioned rules. IDEM, OAQ considers pyrolysis burn-off ovens as a form of incineration subject to 326 IAC 4-2; therefore the provisions of 326 IAC 4-2-2 apply to the three (3) controlled pyrolysis cleaning furnaces as follows:

The three (3) controlled pyrolysis cleaning furnaces, identified as OVE013, OVE014, and OVE015, shall comply with the following requirements:

(1) Consist of primary and secondary chambers or equivalent;

(2) Be equipped with a primary burner unless burning wood products;

(3) Comply with 326 IAC 5-1 and 326 IAC 2;

(4) Be maintained properly as specified by the manufacturer and approved by the commissioner;

(5) Be operated according to the manufacturer's recommendations and only burn waste approved by the commissioner;

(6) Comply with other state and/or local rules or ordinances regarding installation and operation of incinerators;

(7) Be operated so that emissions of hazardous material including but not limited to viable pathogenic bacteria, dangerous chemicals or gases, or noxious odors are prevented; and

(8) Not create a nuisance or fire hazard.

If any of the above requirements are not met, burning shall be terminated immediately.

326 IAC 5-1 Opacity Limitations
This facility is located in Dubois County, Bainbridge Township. In accordance with 326 IAC 5-1-2(2), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity, not including condensed water vapor, emitted by or from a facility or source shall meet the following limitations:

(a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period.

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

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

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
This rule applies to a sources of fugitive particulate matter emissions located in nonattainment areas for particulate matter as designated by the board (except for such a source located in Lake County) which has potential fugitive particulate matter emissions of twenty-five (25) tons per year or more. This includes sources located in secondary nonattainment areas including Dubois County, Bainbridge Township. Jasper Engine Exchange is located in Dubois County, Bainbridge Township but it does not have potential fugitive particulate matter emissions of twenty-five (25) tons per year or more; therefore, 326 IAC 6-5 does not apply.

326 IAC 6.5 (Particulate Matter Emission Limitations Except Lake 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 particulate matter of one hundred (100) tons per year (tpy) or more or actual particulate matter emissions of ten (10) tons per year or more. The source is located in Dubois County, a specifically listed county and has potential particulate emission of one hundred (100) tons per year or more; therefore, 326 IAC 6.5-1-2(a) applies to this modification. Pursuant to 326 IAC 6.5-1-2(a), the particulate matter emissions from the facilities listed below shall not exceed 0.03 gr/dscf.

Table 11: 326 IAC 6.5 PM Emission Limitations

Baghouse/Unit ID[a]	Flowrate ACFM	Allowable Emissions[b] 326 IAC 6.5 (lb/hr)	Uncontrolled Emissions[c] (ton/yr)	Controlled Emissions[c] (ton/yr)	Controlled Emissions (lb/hr)	Able to Comply?
DUC-503 (BLA-503, BLA-506, BLA-089)[e]	5000	1.286	6.33	0.063	0.014	yes, with control device
BLA090	600	0.154	4.73	0.047	0.011	yes, with control device
BLA091	600	0.154	4.73	0.047	0.011	yes, with control device
BLA085	2000	0.514	35.04	0.350	0.079	yes, with control device
DUC-052 (BLA086, BLA087, BLA088, BLA084 BLA026 and BLA056)[f]	15,000	3.857	56.25	0.563	0.128	yes, with control device

Table 11: 326 IAC 6.5 PM Emission Limitations

Baghouse/Unit ID[a]	Flowrate ACFM	Allowable Emissions[b] 326 IAC 6.5 (lb/hr)	Uncontrolled Emissions[c] (ton/yr)	Controlled Emissions[c] (ton/yr)	Controlled Emissions (lb/hr)	Able to Comply?
DUC-068 (BLA-037, BLA041, BLA082, BLA-502, BLA-505 & BLA-064)[d]	13,800	3.549	68.36	0.68	0.156	yes, with control device
OVE013	650	0.167	11.83	0.058	0.027	yes, with control device
OVE014	650	0.167	5.83	0.058	0.013	yes, with control device
OVE015	650	0.167	5.83	0.058	0.013	yes, with control device

[a]Blasting units, BLA067, BLA090 and BLA091, have their own dedicated baghouse. Blasting unit, BLA064, uses baghouse DUC-068, which is shared with other existing units. Cleaning furnaces, OVE0013-OVE015 use an afterburner.
[b]Allowable Emissions (lb/hr) = (0.03 gr/dcfm) * (acfm) * (1 lb/7000 gr) * (60 min/hr)
[c]Uncontrolled and Controlled Emissions calculations are in Appendix A of the TSD.
[d]Baghouse, DUC-068, controls BLA037, BLA041, BLA082, BLA-501, BLA-505 and BLA064. The allowable emissions calculation is for the outlet of the baghouse (13,800 acfm). The Uncontrolled emissions are based on the total of emissions for BLA037, BLA041, BLA082, BLA-502 BLA505 and BLA064 as determined in Part 70 Operating Permit Renewal No. T037-17555-00089, issued on April 1, 2004, Appendix A of this TSD, and Minor Source Modification No. 037-22015-00089, issued on January 26, 2006. The controlled emissions are based on baghouse control of 99%.
[e]Baghouse, DUC-503, controls BLA503, BLA506 and BLA089. The allowable emissions calculation is for the outlet of the baghouse (5,000 acfm). The Uncontrolled emissions are based on the total of emissions for BLA-503, BLA506, BLA089 as determined in Part 70 Operating Permit Renewal No. T037-17555-00089, issued on April 1, 2004, Appendix A of this TSD, and Minor Source Modification No. 037-22015-00089, issued on January 26, 2006. The controlled emissions are based on baghouse control of 99%.
[f]Baghouse, DUC-052 controls BLA086, BLA087, BLA088, BLA084, BLA056 and BLA-026. The allowable emissions calculation is for the outlet of the baghouse (15,000 acfm). The Uncontrolled emissions are based on the total of emissions for BLA-086, BLA-087, BLA-088, BLA-084, and BLA-026 as determined in Appendix A. The controlled emissions are based on baghouse control of 99%.

The hourly controlled particulate matter emissions from dust collectors of each blasting unit and the hourly controlled particulate matter emissions from the ovens are below the allowable emissions per 326 IAC 6.5; therefore, the Permittee can comply with the requirements of 326 IAC 6.5 with the use of control devices.

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), this rule shall not apply if a particulate matter limitation established in 326 IAC 6.5 is more stringent than the particulate limitation established in this rule. Based on the process weights of the new emissions units, the limits in 326 IAC 6.5 are more stringent than the limits in 326 IAC 6-3-2. Therefore, 326 IAC 6-3-2 does not apply to blasting units, BLA026, BLA064, BLA067, BLA084-BLA091, or cleaning furnaces, OVE013-OVE015.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)
Emissions units with a potential to emit twenty-five (25) tons per year or ten (10) pounds per hour of sulfur dioxide must comply with the requirements of 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations). The cleaning furnaces, OVE013-OVE015, each have potential to emit of sulfur dioxide less these levels; therefore the requirements of 326 IAC 7-1.1 do not apply to the cleaning furnaces.

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

326 IAC 8-1-6 applies to new facilities, as of January 1, 1980, that have potential emissions of twenty-five (25) tons or more per year; are located anywhere in the state; and are not otherwise regulated by other provisions of 326 IAC 8, 326 IAC 20-48, or 326 IAC 20-56. The blasting units do not have potential VOC emissions. The cleaning furnaces, OVE013-OVE015, each have potential emissions of VOC less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 do not apply to any of the units related to this modification.

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

The Compliance Determination Requirements applicable to this modification are as follows:

(a) The controlled pyrolysis cleaning furnaces (OVE013-OVE015) have the applicable compliance determination condition specified below:

The afterburners for particulate control shall be in operation and control emissions from the controlled pyrolysis cleaning furnaces (OVE013-OVE015) at all times the controlled pyrolysis cleaning furnaces are in operation.

(b) The new blasting units (BLA026, BLA064, BLA067, BLA084-BLA091) have the applicable compliance determination condition specified below:

The baghouses for particulate control shall be in operation and control emissions from BLA026, BLA064, BLA067, BLA084-BLA091 at all times that the units are in operation.

These requirements are necessary to ensure compliance with 326 IAC 6.5-1-2.

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

(c) The new blasting units (BLA026, BLA064, BLA067, BLA084-BLA091) have the applicable compliance monitoring conditions as specified below:

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

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

These monitoring conditions are necessary because the baghouses controlling the blasting units must operate properly in order to ensure compliance with 326 IAC 6.5-1-2.

Proposed Changes

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

Modification No. 1:

The following changes have been made to descriptive information in the permit:

(a) Emission unit descriptions for the proposed equipment have been added to Sections A.2, A.3, D.2, and D.3; and

(b) Section D.2 has been revised to include the three (3) controlled pyrolysis cleaning furnaces, identified as OVE013, OVE014 and OVE015 into existing requirements.

(c) Insignificant activity descriptions for BLA503, BLA504, BLA506, and BLA502 have been moved from section D.4 to Section D.3 so that all units controlled by baghouse DUC503 are in the same section.

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:

* * * *

(p) three (3) natural gas controlled pyrolysis cleaning furnaces, approved for construction in 2008, each unit using a natural gas afterburner for control, and each exhausting through a stack:

(1) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0013 with a maximum throughput of 6,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.72 MMBtu/hr;

(2) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0014 with a maximum throughput of 4,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr;

(3) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0015 with a maximum throughput of 2,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr;

~~(p)~~**(q)** * * *

~~(q)~~**(r)** * * *

~~(r)~~**(s)** * * *

~~(s)~~**(t)** * * *

~~(t)~~**(u)** four (4) pneumatic plastic bead blasting units, identified as BLA074, BLA076, BLA078, and BLA080, each with a maximum capacity of 108 lb/hr blast media, each with a maximum process weight rate of 1020 lb/hr, each using a dust collector for control, and each exhausting indoors; ~~and~~

~~(u)~~**(v)** four (4) mechanically powered steel shot blasting units, identified as BLA075, BLA077, BLA079, and BLA081, each with a maximum capacity of 800 lb/hr blast media, each with a maximum process weight rate of 1200 lb/hr, each using a baghouse for control, and each exhausting indoors~~.~~**;**

(w) seven (7) plastic blaster units, approved for construction in 2008:

(1) one (1) unit, identified as BLA067, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA067;

(2) three (3) units, identified as BLA086, BLA087, and BLA088, each with a maximum capacity of 108 lb/hr blast media, each with a maximum process weight rate of 1020 lb/hr, and each controlled by baghouse DUC-052.

(3) one (1) unit, identified as BLA089, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse DUC-503;

(4) one (1) unit, identified as BLA090, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA090;

(5) one (1) unit, identified as BLA091, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA091; and

(x) three (3) steel shot blaster units, approved for construction in 2008:

(1) two (2) steel shot blast units, identified as BLA084 and BLA026, each with a maximum capacity of 1080 lb/hr blast media, each with a maximum process weight rate of 1200 lb/hr. Each unit controlled by baghouse DUC-052;

(2) one (1) steel shot blast units, identified as BLA085, with a maximum capacity of 1080 lb/hr blast media, with a maximum process weight rate of 1200 lb/hr, and controlled by baghouse BLA-085.

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):

* * * *

(q) one (1) dust collector, identified as DUC045 for controlling emissions from machining operations and from one (1) abrasive blaster using coal slag (Black Beauty) media, identified as BLA059; ~~and~~ [326 IAC 6.5-1-2]

(r) ~~O~~**o**ne (1) pneumatic soda blasting unit, approved for construction in 2008, identified as BLA082, with a maximum capacity of 12.5 lb/hr blast media, with a maximum process weight rate of 300 lb/hr, using a baghouse DUC-068 for control~~.~~**; and** [326 IAC 6.5-1-2]

(s) one (1) soda blasting unit, approved for construction in 2008, identified as BLA064, with a maximum capacity of 12.5 lb/hr blast media, with a maximum process weight rate of 300 lb/hr, and controlled with existing baghouse DUC-068. [326IAC 6.5-1-2]

* * * *

*** * * * ***

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

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

* * *

(o) four (4) natural gas controlled pyrolysis cleaning furnaces, identified as OVE001, OVE002, OVE003, and OVE004, each with a maximum throughput of 4,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, each with a total maximum heat input capacity of 0.43 MMBtu/hr, each using a natural gas afterburner for control, each exhausting through a stack; ~~and~~

(p) three (3) natural gas controlled pyrolysis cleaning furnaces, approved for construction in 2008, each unit using a natural gas afterburner for control, and each exhausting through a stack:

(1) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0013 with a maximum throughput of 6,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.72 MMBtu/hr;

(2) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0014 with a maximum throughput of 4,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr;

(3) one (1) natural gas controlled pyrolysis cleaning furnaces, identified as OVE0015 with a maximum throughput of 2,000 pounds of equipment and 30 pounds of combustible material per 8-hour cycle, and with a total maximum heat input capacity of 0.43 MMBtu/hr;

* * *

*** * * ***

D.2.2 Incinerator Requirements [326 IAC 4-2]

Pursuant to 326 IAC 4-2, the ~~four (4)~~ **seven (7)** controlled pyrolysis cleaning furnaces, identified as OVE001, OVE002, OVE003, ~~and~~ OVE004**, OVE013, OVE014, and OVE015** shall:

* * * *

D.2.3 Particulate [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2, particulate matter emissions from the ~~four (4)~~ **seven (7)** controlled pyrolysis cleaning furnaces, identified as OVE001, OVE002, OVE003, ~~and~~ OVE004, **OVE013, OVE014, and OVE015** shall each not exceed 0.03 grains per dry standard cubic foot.

D.2.4 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 the ~~four (4)~~ **seven (7)** controlled pyrolysis cleaning furnaces (OVE001-OVE004, **OVE013-OVE015**) and their control devices.

*** * * ***

Compliance Determination Requirements

D.2.6 Particulate Matter

In order to comply with Condition D.2.3, the afterburners for particulate control shall be in operation and control emissions from the controlled pyrolysis cleaning furnaces (OVE001-OVE004 **and OVE013-OVE015**) at all times the controlled pyrolysis cleaning furnaces are in operation.

*** * * * ***

SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

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

* * * *

(t) four (4) pneumatic plastic bead blasting units, identified as BLA074, BLA076, BLA078, and BLA080, each with a maximum capacity of 108 lb/hr blast media, each with a maximum process weight rate of 1020 lb/hr, each using a dust collector for control, and each exhausting indoors; ~~and~~

(u) four (4) mechanically powered steel shot blasting units, identified as BLA075, BLA077, BLA079, and BLA081, each with a maximum capacity of 800 lb/hr blast media, each with a maximum process weight rate of 1200 lb/hr, each using a baghouse for control, and each exhausting indoors~~.~~**;**

(w) seven (7) plastic blaster units, approved for construction in 2008:

(1) one (1) unit, identified as BLA067, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA067;

(2) three (3) units, identified as BLA086, BLA087, and BLA088, each with a maximum capacity of 108 lb/hr blast media, each with a maximum process weight rate of 1020 lb/hr, and each controlled by baghouse DUC-052.

(3) one (1) unit, identified as BLA089, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse DUC-503;

(4) one (1) unit, identified as BLA090, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA090;

(5) one (1) unit, identified as BLA091, with a maximum capacity of 108 lb/hr blast media, with a maximum process weight rate of 1020 lb/hr, and controlled by baghouse BLA091;

(x) three (3) steel shot blaster units, approved for construction in 2008:

(1) two (2) steel shot blast units, identified as BLA084 and BLA026, each with a maximum capacity of 1080 lb/hr blast media, each with a maximum process weight rate of 1200 lb/hr, and each unit controlled by baghouse DUC-052; and

(2) one (1) steel shot blast unit, identified as BLA085 with a maximum capacity of 1080 lb/hr blast media, with a maximum process weight rate of 1200 lb/hr, and controlled by baghouse BLA-085;

* * * *

Insignificant Activities:

* * * *

(i) two (2) armex empire blasting units, identified as BLA-503 and BLA-504, each installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each; [326 IAC 6.5-1-2]

(j) one (1) armex empire blasting unit, identified as BLA-505, installed in 2006, equipped with a baghouse for particulate control, identified as DUC-068, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour; and [326 IAC 6.5-1-2]

(k) 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]

* * * *

* * * *

(p) one (1) abrasive blaster using coal slag (Black Beauty) media, identified as BLA041, controlled by a dust collector, identified as DUC-068; ~~and~~ [326 IAC 6.5-1-2]

(r) ~~O~~**o**ne (1) pneumatic soda blasting unit, approved for construction in 2008, identified as BLA082, with a maximum capacity of 12.5 lb/hr blast media, with a maximum process weight rate of 300 lb/hr, using a baghouse DUC-068 for control~~.~~**; and** [326 IAC 6.5-1-2]

(s) one (1) soda blasting unit, approved for construction in 2008, identified as BLA064, with a maximum capacity of 12.5 lb/hr blast media, with a maximum process weight rate of 300 lb/hr, and controlled by baghouse DUC-068. [326IAC 6.5-1-2]

* * * *

*** * * * ***

SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

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

Insignificant Activities:

* * * *

~~(i) two (2) armex empire blasting units, identified as BLA-503 and BLA-504, each installed in 2006, each equipped with a baghouse for particulate control, identified as DUC-503 and DUC-504, respectively, exhausting inside the building, capacity: 12.5 pounds of abrasive per hour, each; [326 IAC 6.5-1-2]~~

~~(k) 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]~~

* * * *

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Modification No. 2:

The three (3) new controlled pyrolysis cleaning furnaces are included in the existing natural gas fuel usage limit. The quarterly reporting form has been revised to reflect this addition. The permit has been revised as follows:

* * * *

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, Indiana 47547
Mailing Address:	P.O. Box 650, Jasper, Indiana 47547-0650
Part 70 Permit No.:	T037-17555-00089
Facility:	Reciprocating Internal Combustion Engines and Controlled Pyrolysis Cleaning Furnaces (OVE001-OVE004~~)~~ **and OVE013 – OVE015)**
Parameter:	Fuel Usage~~s~~
Limit:	

(a) natural gas usage~~s~~ for all reciprocating internal combustion engines and controlled pyrolysis cleaning furnaces (OVE001-OVE004~~)~~ **and OVE013 – OVE015)** shall not exceed 119.7 million cubic feet (MMCF) per 12 consecutive month period, with compliance determined at the end of each month;

(b) #2 diesel fuel usage~~s~~ for all reciprocating internal combustion engines shall not exceed 100,000 gallons per 12 consecutive month period, with compliance determined at the end of each month; and

(c) gasoline usage~~s~~ for all reciprocating internal combustion engines shall not exceed 10,000 gallons per 12 consecutive month period, with compliance determined at the end of each month.

* * * *

Modification No. 3:

(a) Conditions in Section D.3 have been revised to add the requirements for new blasting units.

(b) Conditions in Section D.4 have been revised to reflect Insignificant Activities BLA-503, BLA-504, BLA-506, and BLA-507 have been removed from this section. The permit has been revised as follows:

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

D.3.1 Particulate Matter (PM) [326 IAC 6.5-1-2]

(a) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the grinding and machining operations and blasting units, identified as BLA-056, BLA-057, BLA031, BLA032, BLA034, BLA042, ~~and~~ BLA008**, BLA-026, BLA-084, BLA-086, BLA-087, and BLA-088** 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(a), particulate matter emissions from ~~five (5)~~ **six (6)** blasting units, identified as BLA-037**,** BLA-502, BLA-505, BLA041, ~~and~~ BLA082, **and BLA-064** controlled by one (1) baghouse, identified as DUC-068, shall not exceed 0.03 grains per dry standard cubic foot.

(c) * * * *

(d) * * * *

(e) * * * *

(f) * * * *

(g) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from three (3) blasting units, identified as BLA-089, BLA-503, and BLA-506 controlled by one (1) baghouse, identified as DUC-503, shall not exceed 0.03 grains per dry standard cubic foot.

(h) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from one (1) plastic bead blasting unit, identified as BLA-067, controlled by one (1) baghouse, identified as BLA-067, shall not exceed 0.03 grains per dry standard cubic foot.

(i) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from one (1) plastic bead blasting unit, identified as BLA-090, controlled by one (1) baghouse, identified as BLA-090, shall not exceed 0.03 grains per dry standard cubic foot.

(j) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from one (1) plastic bead blasting unit, identified as BLA-091, controlled by one (1) baghouse, identified as BLA-091, shall not exceed 0.03 grains per dry standard cubic foot.

(k) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from the one (1) steel shot blasting unit, identified as BLA085, controlled by one (1) baghouse, identified as BLA-085, shall not exceed 0.03 grains per dry standard cubic foot.

(l) Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from two (2) blasting units, identified as BLA504 and BLA-507, controlled by one (1) baghouse, identified as DUC-504, shall not exceed 0.03 grains per dry standard cubic foot.

* * * *

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 BLA008, BLA031, BLA032, BLA034, BLA-037, BLA041, BLA042, BLA-056, BLA-057, BLA-073, BLA074-BLA082, **BLA026, BLA064, BLA067, BLA084-BLA091,** BLA-501, BLA-502, and BLA-505 and their control devices.

Compliance Determination Requirement

D.3.4 Particulate Control

In order to comply with Condition D.3.1, the baghouses for particulate control shall be in operation and control emissions from BLA-073, BLA-037, BLA-501**,** BLA074-BLA082, BLA-502, ~~and~~ BLA-505, **BLA026, BLA064, BLA067, and BLA084-BLA091** at all times that the units are in operation.

* * * *

* * * *

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

Pursuant to 326 IAC 6.5-1-2(a) (Dubois County Particulate Limitations), particulate matter (PM) emissions from the blasting operations controlled by ~~six (6)~~ **four (4)** baghouses, identified as BLA007, BLA009, BLA011~~, DUC-503, DUC-504~~, and DUC045, and grinding and machining operations controlled by eight (8) baghouses, identified as DUC001, DUC003, DUC006, DUC015, DUC021, DUC027, DUC045, and DUC-063 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	DUC021	2,000	0.51
BLA009	1,250	0.32	DUC027	3,000	0.77
BLA011	420	0.11	DUC045	15,000	3.86
DUC001	4,000	1.03	DUC063	12,000	3.08
DUC003	1,200	0.31	~~DUC503~~ **---**	~~5,000~~ **---**	~~1.29~~ **---**
DUC006	18,000	4.63	~~DUC504~~ **---**	~~5,000~~ **---**	~~1.29~~ **---**
DUC015	2,200	0.57	---	---	---

* * * *

Conclusion and Recommendation

The construction and operation of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 037-27134-00089 and Minor Permit Modification No. 037-27252-00089, respectively. The staff recommends to the Commissioner that this Part 70 Minor Source and Minor Permit Modification be approved.

Appendix A: Emission Calculations
Summary Calculations of Modification

Company Name: Jasper Engine Exchange, Inc
Address City IN Zip: 815 Wernsing Road, Jasper, IN 47547
MSM No.: 037-27134-00089
MPM No.: 037-27252-00089
Reviewer: C. Sullivan
Date: 11/19/2008

Unit ID	Unit	Uncontrolled Potential to Emit (tons/yr)							
		PM	$PM_{10}/PM_{2.5}$	VOC	SO2	NOx	CO	Single HAP	Total HAPs
BLA067	Plastic Bead Blast Unit	4.73	4.73	--	--	--	--	--	--
BLA086	Plastic Bead Blast Unit	4.73	4.73	--	--	--	--	--	--
BLA087	Plastic Bead Blast Unit	4.73	4.73	--	--	--	--	--	--
BLA088	Plastic Bead Blast Unit	4.73	4.73	--	--	--	--	--	--
BLA089	Plastic Bead Blast Unit	4.73	4.73	--	--	--	--	--	--
BLA090	Plastic Bead Blast Unit	4.73	4.73	--	--	--	--	--	--
BLA091	Plastic Bead Blast Unit	4.73	4.73	--	--	--	--	--	--
BLA085	Steel Shot Blast Unit	14.02	12.05	--	--	--	--	--	--
BLA084	Steel Shot Blast Unit	14.02	12.05	--	--	--	--	--	--
BLA026	Steel Shot Blast Unit	14.02	12.05	--	--	--	--	--	--
BLA064	Soda Blasting Unit	0.55	0.55	--	--	--	--	--	--
OVE013	Cleaning Furnace	11.83	11.85	15.26	0.02	0.55	44.06	0.006	0.006
OVE014	Cleaning Furnace	5.83	5.84	7.63	0.01	0.31	22.06	0.003	0.004
OVE015	Cleaning Furnace	5.83	5.84	7.63	0.01	0.31	22.06	0.003	0.004
Total		99.20	93.35	30.52	0.04	1.17	88.18	0.012	0.013

Unit ID	Unit (Control)	Controlled Potential to Emit (tons/yr)					
		PM	$PM_{10}/PM_{2.5}$	VOC	SO2	NOx	CO
BLA067	Plastic Bead Blast Unit (Dust Collector)	0.05	0.05	--	--	--	--
BLA086	Plastic Bead Blast Unit (Dust Collector)	0.05	0.05	--	--	--	--
BLA087	Plastic Bead Blast Unit (Dust Collector)	0.05	0.05	--	--	--	--
BLA088	Plastic Bead Blast Unit (Dust Collector)	0.05	0.05	--	--	--	--
BLA089	Plastic Bead Blast Unit (Dust Collector)	0.05	0.05	--	--	--	--
BLA090	Plastic Bead Blast Unit (Dust Collector)	0.05	0.05	--	--	--	--
BLA091	Plastic Bead Blast Unit (Dust Collector)	0.05	0.05	--	--	--	--
BLA085	Steel Shot Blast Unit (Dust Collector)	0.14	0.12	--	--	--	--
BLA084	Steel Shot Blast Unit (Dust Collector)	0.14	0.12	--	--	--	--
BLA026	Steel Shot Blast Unit (Dust Collector)	0.14	0.12	--	--	--	--
BLA064	Armex Blast Media Unit (Dust Collector)	0.01	0.01	--	--	--	--
OVE013	Cleaning Furnace (Afterburner)	0.12	0.14	0.17	0.02	0.55	0.70
OVE014	Cleaning Furnace (Afterburner)	0.06	0.07	0.09	0.01	0.31	0.38
OVE015	Cleaning Furnace (Afterburner)	0.06	0.07	0.09	0.01	0.31	0.38
Total		1.00	0.99	0.343	0.036	1.17	1.46

Appendix A: Emission Calculations
Blasting Units

Company Name: **Jasper Engine Exchange, Inc**
Address City IN Zip: **815 Wernsing Road, Jasper, IN 47547**
MSM No.: **037-27134-00089**
MPM No.: **037-27252-00089**
Reviewer: **C. Sullivan**
Date: **11/19/2008**

Unit ID	Blast Media	Blast Rate (lb/hr)	Emission Factor		Uncontrolled PTE (tons/year)		Control Efficiency	Controlled PTE (tons/year)	
			PM (lb/lb blast media)	$PM_{10}/PM_{2.5}$ (lb/lb PM)	PM	$PM_{10}/PM_{2.5}$		PM	$PM_{10}/PM_{2.5}$
BLA067	Plastic Bead	108	0.01	1	4.73	4.73	99.0%	0.047	0.047
BLA086	Plastic Bead	108	0.01	1	4.73	4.73	99.0%	0.047	0.047
BLA087	Plastic Bead	108	0.01	1	4.73	4.73	99.0%	0.047	0.047
BLA088	Plastic Bead	108	0.01	1	4.73	4.73	99.0%	0.047	0.047
BLA089	Plastic Bead	108	0.01	1	4.73	4.73	99.0%	0.047	0.047
BLA090	Plastic Bead	108	0.01	1	4.73	4.73	99.0%	0.047	0.047
BLA091	Plastic Bead	108	0.01	1	4.73	4.73	99.0%	0.047	0.047
BLA085	Steel Shot	800	0.004	0.86	14.02	12.05	99.0%	0.140	0.121
BLA084	Steel Shot	800	0.004	0.86	14.02	12.05	99.0%	0.140	0.121
BLA026	Steel Shot	800	0.004	0.86	14.02	12.05	99.0%	0.140	0.121
BLA064	Armex Blast Media	12.5	0.01	1	0.55	0.55	99.0%	0.005	0.005
Total					**75.71**	**69.82**		**0.76**	**0.70**

Methodology
Blast rate (lb/hr) was provided by the applicant
Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)
Uncontrolled PTE PM (tons/year) = Blast Rate (lb/hr) * PM Emission Factor (lb/lb blast media) * (8760 hr/yr) * (1 ton/2000 lb)
Uncontrolled PTE $PM_{10}/PM_{2.5}$ (tons/year) = Uncontrolled PTE PM (tons/year) * $PM_{10}/PM_{2.5}$ Emission Factor (lb/lb PM)
Controlled PTE (tons/year) = Uncontrolled PTE * (1 - Control Efficiency)

Allowable Emissions Pursuant to 326 IAC 6.5-1-2

Unit ID	Unit	Flowrate (acfm)	326 IAC 6.5-1-2 Allowable PM (lb/hr)
BLA067	Plastic Bead Blast Unit	600	0.154
DUC-503 (BLA-503, BLA-506, BLA-089)	Plastic Bead Blast Unit	5,000	1.286
BLA090	Steel Shot Blast Unit	600	0.154
BLA091	Steel Shot Blast Unit	600	0.154
DUC-068 (BLA037, BLA041, BLA082, BLA-502, BLA-505 & BLA064)	Armex Blast Media	13,800	3.549
DUC-052 (BLA086, BLA087, BLA088, BLA084, BLA026 and BLA056)	Steel Shot Blast Unit	15,000	3.857
BLA085	Steel Shot Blast Unit	2000	0.514

Methodology
326 IAC 6.5-1-2 Allowable PM (lb/hr) = (0.03 gr/dscf) * Flowrate (acfm) * (60 min/hr) * (1 lb/7000 gr)

Appendix A: Emission Calculations
Cleaning Furnaces

Company Name: **Jasper Engine Exchange, Inc**
Address City IN Zip: **815 Wernsing Road, Jasper, IN 47547**
MSM No.: **037-27134-00089**
MPM No.: **037-27252-00089**
Reviewer: **C. Sullivan**
Date: **11/19/2008**

Unit ID	Controlled PTE (lb/hr) as Provided by the Manufacturer						Controlled PTE (ton/year)						Uncontrolled PTE (tons/year)					
	PM	$PM_{10}/PM_{2.5}$	VOC	SO2	CO	NOx	PM	$PM_{10}/PM_{2.5}$	VOC	SO2	CO	NOx	PM	$PM_{10}/PM_{2.5}$	VOC	SO2	CO	NOx
OVE013	0.027	0.027	0.0348	0.0036	0.1	0.0542	0.118	0.118	0.152	0.016	0.438	0.237	11.826	11.826	15.242	0.016	43.800	0.237
OVE014	0.0133	0.0133	0.0174	0.0018	0.05	0.0271	0.058	0.058	0.076	0.008	0.219	0.119	5.825	5.825	7.621	0.008	21.900	0.119
OVE015	0.0133	0.0133	0.0174	0.0018	0.05	0.0271	0.058	0.058	0.076	0.008	0.219	0.119	5.825	5.825	7.621	0.008	21.900	0.119
Total	0.05	0.05	0.07	0.01	0.20	0.11	0.23	0.23	0.30	0.03	0.88	0.47	23.48	23.48	30.48	0.03	87.60	0.47

Methodology
- Controlled PTE (lb/hr) = Average controlled emissions exiting the furnace as provided by the manufacturer based on laboratory testing
- PM10 is assumed to equal PM
- Controlled PTE (ton/year) = Controlled PTE (lb/hr) * (8760 hr/yr) * (1 ton / 2000 lb)
- Uncontrolled PTE (ton/year) = Controlled PTE (ton/year) / (1 - Assumed Control Efficiency)
- Assumed Control Efficiency (conservative) = 99% control for PM, PM10, PM2.5, VOC, and CO

Allowable Emissions Pursuant to 326 IAC 6.5-1-2

Unit ID	Unit	Flowrate (acfm)	326 IAC 6.5-1-2 Allowable PM
OVE013	Cleaning Furnace	650	0.167
OVE014	Cleaning Furnace	650	0.167
OVE015	Cleaning Furnace	650	0.167

Methodology
326 IAC 6.5-1-2 Allowable PM (lb/hr) = (0.03 gr/dscf) * Flowrate (acfm) * (60 min/hr) * (1 lb/7000 gr)

Appendix A: Emissions Calculations

Natural Gas Combustion (Less than 100 MMBtu/hr) for Cleaning Furnaces

Company Name: **Jasper Engine Exchange, Inc**
Address City IN Zip: **815 Wernsing Road, Jasper, IN 47547**
MSM No.: **037-27134-00089**
MPM No.: **037-27252-00089**
Reviewer: **C. Sullivan**
Date: **11/19/2008**

			Pollutant					
			PM*	PM_{10}*/$PM_{2.5}$*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF			1.9	7.6	0.6	100.0	5.5	84.0
						**see below		
Emissions Unit	Heat Input Capacity (MMBtu/hr)	Potential Throughput (MMCF/yr)	Potential Emissions (tons/yr)					
OVE013	0.72	6.307	0.006	0.024	0.002	0.315	0.017	0.265
OVE014	0.43	3.767	0.004	0.014	0.001	0.188	0.010	0.158
OVE015	0.43	3.767	0.004	0.014	0.001	0.188	0.010	0.158
Total			0.01	0.05	0.00	0.69	0.04	0.58

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

			HAPs - Organics				
			Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMCF			2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Emissions Unit	Heat Input Capacity (MMBtu/hr)	Potential Throughput (MMCF/yr)	Potential Emissions (tons/yr)				
OVE013	0.72	6.307	6.6E-06	3.8E-06	2.4E-04	5.7E-03	1.1E-05
OVE014	0.43	3.767	4.0E-06	2.3E-06	1.4E-04	3.4E-03	6.4E-06
OVE015	0.43	3.767	4.0E-06	2.3E-06	1.4E-04	3.4E-03	6.4E-06
Total			1.5E-05	8.3E-06	5.2E-04	1.2E-02	2.4E-05

			HAPs - Metals					
			Lead	Cadmium	Chromium	Manganese	Nickel	**Total HAPs (Organics+Metals)**
Emission Factor in lb/MMCF			5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Emissions Unit	Heat Input Capacity (MMBtu/hr)	Potential Throughput (MMCF/yr)	Potential Emissions (tons/yr)					
OVE013	0.72	6.307	1.6E-06	3.5E-06	4.4E-06	1.2E-06	6.6E-06	6.0E-03
OVE014	0.43	3.767	9.4E-07	2.1E-06	2.6E-06	7.2E-07	4.0E-06	3.6E-03
OVE015	0.43	3.767	9.4E-07	2.1E-06	2.6E-06	7.2E-07	4.0E-06	3.6E-03
Total			3.5E-06	7.6E-06	9.7E-06	2.6E-06	1.5E-05	1.3E-02

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

Methodology
All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
Heating Value of Natural Gas is assumed to be 1000 MMBTU/MMCF

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) * 8,760 hrs/yr * 1 MMCF/1,000 MMBtu
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (Supplement D 3/98)
Potential Emission (tons/yr) = Throughput (MMCF/yr) * Emission Factor (lb/MMCF) * (1 ton/2,000 lb)