



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

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

TO: Interested Parties / Applicant  
DATE: March 14, 2007  
RE: Franklin Power Products/081-23906-00056  
FROM: Nisha Sizemore  
Chief, Permits Branch  
Office of Air Quality

### Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures  
FNPER.dot 03/23/06



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Indianapolis, Indiana 46204-2251  
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Mr. Kevin Poad  
Franklin Power Products / International Fuel Systems  
751 International Drive  
Franklin, Indiana 46131

March 14, 2007

Re: 081-23906  
First Significant Permit Revision to  
FESOP 081-20601-00056

Dear Mr. Poad:

Franklin Power Products / International Fuel Systems was issued a New Source Construction and FESOP on September 6, 2005 for a diesel engine remanufacturing plant. A letter requesting the following changes was received by IDEM, OAQ on November 17, 2006. Pursuant to the provisions of 326 IAC 2-8-11.1 a significant permit revision to this permit is hereby approved as described in the attached Technical Support Document.

The revision consists of the following:

- (a) Sections A.2 (c) and D.2 have been revised to reflect the addition of four (4) cold cleaners CCC5 through CCC8 and the removal of cold solvent degreasers CC15 – CC17, DDC-1 and ICC-1 from the equipment list.
- (b) Sections A.2 (d) and D.3 have been revised to reflect the addition of eight (8) infra-red unit heaters, the replacement of two (2) heating units with one (1) new Break Room and Training Room furnace and the removal of twenty-five (25) space heaters, two (2) head washers, one (1) two stage conveyORIZED spray washer, one (1) Disa Goff tumble washer, and one (1) pass through small parts washer from the equipment list.
- (c) Sections A.2 (f) and D.5 have been revised to reflect the replacement of one (1) medium burn-off oven (O-5), with a rated capacity of 0.35 million British thermal units per hour, with a large burn-off oven (O-5), with a rated capacity of 2.4 million British thermal units per hour and the removal of one (1) small burn-off oven (O-4) and two (2) medium burn-off ovens (O-8 and O-9) from the equipment list.
- (d) Sections A.2 (g) and D.6 have been revised to reflect the addition of glass bead blasting units (GBB#10 through GBB#12) and plastic bead blasting units (PBB#3 through PBB#7), the removal of sand blasting unit (SB#1), blow-off unit (BO#1) and steel shot blasting units (SSB#3 and SSB#6), and to express the capacity of each blasting unit in terms of abrasive used per hour.
- (e) The 326 IAC 2-8 (FESOP) limits for glass bead blasting units (GBB#4 through GBB#9) have been revised. FESOP limits have been added to the permit for glass bead blasting units (GBB#10 through GBB#12) and plastic bead blasting units (PBB#3 through PBB#7).
- (f) 326 IAC 6-3 limits have been added to the permit for glass bead blasting units (GBB#10 through GBB#12) and plastic bead blasting units (PBB#3 through PBB#7).

- (g) The compliance monitoring and the recordkeeping conditions in Section D.6 have been revised to include monitoring and recordkeeping for glass bead blasting units (GBB#10 through GBB#12) and plastic bead blasting units (PBB#3 through PBB#7).
- (h) Section D.5 has been revised to include 326 IAC 4-2-2 and 326 IAC 9-1-2 requirements for the burn-off ovens.

The following construction conditions are applicable to the proposed project:

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

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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Alic Bent at (973) 575-2555 x3206, or call (800) 451-6027, press 0 and ask for extension 3-6878.

Sincerely,

Original Signed By:  
Nisha Sizemore, Chief  
Permits Branch  
Office of Air Quality

Attachments  
AB/EVP

cc: File - Johnson County  
Air Compliance Section Inspector – Vaughn Ison  
Compliance Data Section  
Administrative and Development  
Technical Support and Modeling



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

**Franklin Power Products / International Fuel Systems  
751 International Drive  
Franklin, Indiana 46131**

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

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses new source review requirements and is intended to fulfill the new source review procedures and permit revision requirements pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

Operation Permit No.: F081-20601-00056	
Issued by: Original Signed By: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: September 6, 2005 Expiration Date: September 6, 2010

First Significant Permit Revision No.:081-23906-00056	Pages Affected: Entire Permit
Issued by: Original Signed By: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: March 14, 2007 Expiration Date: September 6, 2010

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## SECTION A SOURCE SUMMARY

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

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

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The Permittee owns and operates a stationary diesel engine remanufacturing operation.

Authorized individual:	Plant Manager
Source Address:	751 International Drive, Franklin, Indiana 46131
Mailing Address:	400 Forsythe Street, Franklin, Indiana 46164
General Source Phone:	(317) 738-5632
SIC Code:	3519
Source Location Status:	Johnson County Nonattainment for Ozone under the 8-hour standard Nonattainment for PM2.5 Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD and Emission Offset Rules, Minor Source, Section 112 of the Clean Air Act

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

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

- (a) One (1) paint spray booth, identified as PB#1, constructed in 2006, controlled by dry particulate filters, exhausting to a stack identified as SPB-1 and venting to atmosphere, capacity; 120 engines per day, 36,000 engines per year.
- (b) Miscellaneous solvents and plant wide VOC containing material usage not covered elsewhere, identified as P001.
- (c) Cold solvent degreasing, collectively identified as P002.
  - (1) Ten (10) agitating cold solvent cleaners, identified as CC-1 – CC-6 and CC-8 – CC-11, installed in 2006, with a maximum capacity of 0.7 gallon per day, each.
  - (2) One (1) maintenance agitating cold solvent cleaner, identified as CC-7, installed in 2006, with a maximum capacity of 0.5 gallon per day.
  - (3) Three (3) cold solvent cleaning sinks with remote solvent reservoirs, identified as CC12 – CC14, installed in 2006, with a maximum capacity of 0.3 gallon per day, each.
  - (4) Five (5) agitating cold solvent cleaners, identified as AAC-1 – AAC-5, installed in 2006, with a maximum capacity of 0.6 gallon per day, each.
  - (5) Eight (8) calibration fluid cold solvent cleaners, identified as CCC-1 – CCC-8, installed in 2006, with a maximum capacity of 1.2 gallon per day, each.
- (d) Natural gas combustion fired combustions sources, collectively identified as P003.
  - (1) One (1) air make-up unit, installed in 2006, with a rated capacity of 10.40 million British thermal units per hour

- (2) One (1) Cambridge air make-up unit, installed in 2006, with a rated capacity of 3 million British thermal units per hour.
  - (3) Two (2) Thermadeck air make-up units, installed in 2006, with a rated capacity of 5.83 million British thermal units per hour, each.
  - (4) Three (3) air curtains, installed in 2006, with a rated capacity of 9.5 million British thermal units per hour, each.
  - (5) One (1) office boiler, installed in 2006, with a rated capacity of 0.64 million British thermal units per hour
  - (6) Two (2) unit heaters, installed in 2006, with a rated capacity of 0.15 million British thermal units per hour, each.
  - (7) One (1) unit heater, installed in 2006, with a rated capacity of 0.06 million British thermal units per hour.
  - (8) One (1) break room/ training room furnace, installed in 2006, with a rated capacity of 0.4 million British thermal units per hour.
  - (9) One (1) office furnace, installed in 2006, with a rated capacity of 0.06 million British thermal units per hour.
  - (10) Eleven (11) infrared unit heaters, installed in 2006, with a rated capacity of 0.7 million British thermal units per hour, each.
  - (11) Three (3) infrared unit heaters, installed in 2006, with a rated capacity of 0.3 million British thermal units per hour.
  - (12) Two (2) engine block washers (#1 and #2), installed in 2006, with a rated capacity of 0.225 million British thermal units per hour, each.
  - (13) One (1) Disa Goff hydropulse parts washer, installed in 2006, with a rated capacity of 0.5 million British thermal units per hour.
  - (14) One (1) Hotsy spray washer, installed in 2006, with a rated capacity of 0.687 million British thermal units per hour.
- (e) Eight (8) diesel-powered engine test cells (dynos), collectively identified as P004 and individually known as E-1 – E-8, installed in 2006, each rated at a maximum output of 275 horsepower, individually exhausting to stacks identified as P004-1 – P004-8, and venting to atmosphere; combined capacity of 120 engines per day, 36,000 engines per year.
- (f) Natural Gas Fired Burn-off Ovens with Afterburners, collectively identified as P005.
- (1) Five (5) Large Burn-off Ovens, identified as O-1, O-2, O-5, O-10, and O-11, installed in 2006, each rated at 1.2 million British thermal units per hour, each equipped with afterburners rated at 1.2 million British thermal units per hour, individually exhausting to stacks P005-1, P005-2, P005-5, P005-10, and P005-11 and venting to atmosphere, capacity; 4,000 pounds per hour of engine parts and 50 pounds per hour of oily residue, each.
  - (2) Two (2) Medium Burn-off Ovens, identified as O-6 and O-7, installed in 2006, each rated at 0.35 million British thermal units per hour, each equipped with afterburners rated at 0.35 million British thermal units per hour, individually exhausting to stacks P005-6 and P005-7 and venting to atmosphere, capacity; 2,500 pounds per hour of engine parts and 20 pounds per hour of oily residue, each.
  - (3) One (1) Small Burn-off Oven, identified as O-3, installed in 2006, rated at 0.2 million British thermal units per hour, equipped with an afterburner rated at 0.2 million British thermal units per hour, exhausting to stack P005-3 and venting to atmosphere, capacity; 200 pounds per hour of engine parts and 7 pounds per hour of oily residue.
- (g) Abrasive blasting and grinding, collectively identified as P006.

- (1) Two (2) steel shot abrasive blasting facilities, identified as SSB#2 and SSB#8, installed in 2006, each equipped with one (1) of two (2) dust collectors, both exhausting into the building, capacity; 72,000 pounds of abrasive per hour, each.
  - (2) One (1) steel shot abrasive blasting facilities, identified as SSB#1, installed in 2006, equipped with a dust collector, exhausting into the building, capacity; 72,000 pounds of abrasive per hour.
  - (3) One (1) steel shot abrasive blasting facility, identified as SSB#4, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 24,000 pounds of abrasive per hour.
  - (4) One (1) steel shot abrasive blasting facility, identified as SSB#5, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 36,000 pounds of abrasive per hour.
  - (5) One (1) steel shot abrasive blasting facility, identified as SSB#7, installed in 2006, equipped with a dust collector, exhausting into the building, capacity; 12,000 pounds of abrasive per hour.
  - (6) Six (6) pneumatic glass bead abrasive facilities, identified as GBB#4, GBB#5, GBB#6, GBB#7, GBB#8, and GBB#9, installed in 2006, each equipped with one (1) of six (6) dust collectors, exhausting into the building, capacity; 196.97 pounds of abrasive per hour, each.
  - (7) Three (3) pneumatic glass bead abrasive facilities, identified as GBB#1, GBB#2, and GBB#3, installed in 2006, each equipped with one (1) of three (3) dust collectors, exhausting into the building, capacity; 196.97 pounds of abrasive per hour, each.
  - (8) One (1) pneumatic glass bead abrasive facility, identified as GBB#10, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 321.82 pounds of abrasive per hour, each.
  - (9) Two (2) pneumatic glass bead abrasive facilities, identified as GBB#11 and GBB#12, installed in 2006, each equipped with one (1) of two (2) dust collectors, exhausting into the building, capacity; 67.55 pounds of abrasive per hour, each.
  - (10) Two (2) manual plastic bead abrasive blasting facilities, identified as PBB#1 and PBB#6, installed in 2006, each equipped with one (1) of two (2) dust collectors, exhausting into the building, capacity; 212.12 pounds of abrasive per hour, each.
  - (11) Five (5) manual plastic bead abrasive blasting facilities, identified as PBB#2 through PBB#5 and PBB#7, installed in 2006, each equipped with one (1) of five (5) dust collectors, exhausting into the building, capacity; 128.79 pounds of abrasive per hour, each.
  - (12) One (1) grinding booth, identified as RB#1, installed in 2006, equipped with a dust collector, exhausting into the building, capacity; 480 pounds of engine parts per day.
- (h) Welding Operations, collectively known as P007, installed in 2006 with a maximum capacity of 250 pounds of electrode per day, total.

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

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

- (a) Combustion related activities, including the following:
  - (1) Propane or Liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.
  - (2) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu/hr, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu/hr.
  - (3) Combustion source flame safety purging on startup.
  
- (b) Fuel dispensing activities, including the following:
  - (1) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity of less than or equal to 10,500 gallons.
  - (2) A diesel fuel dispensing facility, having a storage capacity less than or equal to (10,000) gallons, and dispensing (3,500) gallons per day or less as follows:
    - (A) One (1) fixed roof cone tank, identified as T1 Diesel, installed in 2005, with a storage capacity of 500 gallons, and a maximum annual throughput of 6,000 gallons.
    - (B) One (1) fixed roof cone tank, identified as T2 Diesel, installed in 2005, with a storage capacity of 2,000 gallon, and a maximum annual throughput of 250,000 gallons.
  
- (c) The following VOC and HAP storage containers:
  - (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs equal to or less than 12,000 gallons.
  - (2) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
  
- (d) Equipment used exclusively for the following: filling drums, pails, or other packaging containers with lubricating oils, waxes, and greases.
  
- (e) Machining where an aqueous cutting coolant continuously floods the machining interface.
  
- (f) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.
  
- (g) Cleaners and solvents characterized as follows:
  - (1) having a vapor pressure equal to or less than 2 kilo Pascals; 15mm Hg; or 0.3 psi measured at 38 degrees Centigrade (100 degrees Fahrenheit); or
  - (2) having a vapor pressure equal to or less than 0.7 kilo Pascals; 5mm Hg; or 0.1 psi measured at 20 degrees Centigrade (68 degrees Fahrenheit);the use of which, for all cleaners and solvents combined, does not exceed 145 gallons per 12 months.
  
- (h) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches soldering equipment, welding equipment.
  
- (i) Closed loop heating and cooling systems.
  
- (j) Infrared cure equipment.
  
- (k) Solvent recycling systems with batch capacity less than or equal to 100 gallons.

- (l) Water based activities, including the following:
  - (1) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
  - (2) Activities associated with the transportation and treatment of sanitary sewage, provided the discharge to the treatment plant is under the control of the owner or operator, that is, an on-site sewage treatment facility.
  - (3) Any operation using aqueous solutions containing less than 1% VOCs by weight of VOCs excluding HAPs.
  - (4) Water based adhesives that are less than or equal to 5% by volume of VOCs excluding HAPs.
  - (5) Non-contact cooling tower systems with either of the following:
    - (A) Natural draft cooling towers not regulated under a NESHAP
    - (B) Forced and induced draft cooling tower systems not regulated under a NESHAP.
  - (6) Quenching operations used with heat treating processes

Oil, grease, or VOC content shall be determined by a test method acceptable to the department and the U.S. EPA.
- (m) Repair activities, including the following:
  - (1) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
  - (2) Heat exchanger cleaning and repair.
- (n) Trimmers that do not produce fugitive emissions and that are equipped with a dust collector or trim material recovery device such as a bag filter or cyclone.
- (o) Paved and unpaved roads and parking lots with public access.
- (p) Routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process, including the following: purging of gas lines.
- (q) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.
- (r) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (s) Onsite fire and emergency response training approved by the department.
- (t) Emergency generators as follows:
  - (1) Gasoline generators not exceeding 110 horsepower.
  - (2) Diesel generators not exceeding 1,600 horsepower.
- (u) Other emergency equipment as follows: Stationary fire pumps.
- (v) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 100 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking.

- (w) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kilopascals measured at 39 degrees Centigrade).
- (x) A laboratory as defined in 326 IAC 2-7-1(21)(D).

A.4 FESOP Applicability [326 IAC 2-8-2]

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This stationary source, otherwise required to have a Part 70 permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) for a Federally Enforceable State Operating Permit (FESOP).

## **SECTION B GENERAL CONDITIONS**

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

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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 Revocation of Permits [326 IAC 2-1.1-9(5)]**

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Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of the approval or if construction is suspended for a continuous period of one (1) year or more.

### **B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4] [326 IAC 2-8]**

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This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 and 326 IAC 2-8 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

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

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- (a) This permit, F081-20601-00056, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

### **B.5 Term of Conditions [326 IAC 2-1.1-9.5]**

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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.6 Enforceability [326 IAC 2-8-6]**

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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.7 Severability [326 IAC 2-8-4(4)]**

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

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

**B.9 Duty to Provide Information [326 IAC 2-8-4(5)(E)]**

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

**B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]**

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

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

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- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

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

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

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

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

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

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

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
  - (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

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

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.14 Emergency Provisions [326 IAC 2-8-12]**

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

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

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

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

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

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

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

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

**B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) All terms and conditions of permits established prior to F081-20601-00056 and issued pursuant to permitting programs approved into the state implementation plan have been either:
- (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this permit.

**B.16 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]**

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

**B.17 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]**

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

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

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. The Quarterly Deviation and Compliance Monitoring Report does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**B.18 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]**

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
- (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

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

**B.19 Permit Renewal [326 IAC 2-8-3(h)]**

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

Request for renewal shall be submitted to:

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

- (b) A timely renewal application is one that is:
  - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

**B.20 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]**

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- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

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

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

**B.21 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]**

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

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

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

and

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

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

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

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

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

**B.22 Source Modification Requirement [326 IAC 2-8-11.1]**

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

**B.23 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC13-30-3-1]**

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

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.24 Transfer of Ownership or Operational Control [326 IAC 2-8-10]**

---

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

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

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

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

B.25 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

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

B.26 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]

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

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

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

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

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

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

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

**C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]**

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

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

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

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

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

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

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

All required notifications shall be submitted to:

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

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

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

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

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

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

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

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

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

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

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

### **Compliance Requirements [326 IAC 2-1.1-11]**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

### **C.14 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 shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) These ERPs shall be submitted for approval to:  
  
Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251  
  
within 180 days from the date on which this source commences operation).  
  
The ERP does require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) 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.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]**

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

### **C.16 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]**

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

- (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records;
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

**C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]**

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

**C.18 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]**

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the 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.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "authorized individual" as defined by 326 IAC2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) The first report covered the period commencing on the date of issuance of the original FESOP and ended on the last day of the reporting period. All subsequent reporting periods shall be 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.20 Compliance with 40 CFR 82 and 326 IAC 22-1**

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

- (a) Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156
- (b) Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

## SECTION D.1

## FACILITY OPERATION CONDITIONS

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

- (a) One (1) paint spray booth, identified as PB#1, constructed in 2005, controlled by dry particulate filters, exhausting to a stack identified as SPB-1 and venting to atmosphere, capacity; 120 engines per day, 36,000 engines per year.
- (b) Miscellaneous solvents and plant wide VOC containing material usage not covered elsewhere, identified as P001.

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

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

#### D.1.1 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from PB#1 shall be controlled by a dry particulate filter, and the Permittee shall operated the control device in accordance with the manufacturer's specifications.

#### D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9, the owner or operator shall not allow the discharge into the atmosphere VOC in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator of PB#1.

#### D.1.3 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 PB#1 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.1.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

### Compliance Determination Requirements

#### D.1.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-2][326 IAC 8-1-4]

Compliance with the VOC content limitation contained in Condition D.1.2 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

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

### **D.1.6 Monitoring**

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- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry particulate filters, weekly observations shall be made of the overspray from the one (1) paint spray booth stack SPB-1 while the booth is 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 Requirement [326 IAC 2-8-4(3)] [326 IAC 2-8-16]**

### **D.1.7 Record Keeping Requirements**

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- (a) To document compliance with Condition D.1.2, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC usage limit established in Condition D.1.2.
  - (1) The VOC content of each coating material and solvent used, less water.
  - (2) The amount of coating material and solvent 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 usage for each month; and
  - (5) The weight of the VOCs emitted for each compliance period.
  
- (b) To document compliance with Condition D.1.6, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections.
  
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## SECTION D.2

## FACILITY OPERATION CONDITIONS

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

- (c) Cold solvent degreasing, collectively identified as P002.
- (1) Ten (10) agitating cold solvent cleaners, identified as CC-1 – CC-6 and CC-8 – CC-11, installed in 2006, with a maximum capacity of 0.7 gallon per day, each.
  - (2) One (1) maintenance agitating cold solvent cleaner, identified as CC-7, installed in 2006, with a maximum capacity of 0.5 gallon per day.
  - (3) Three (3) cold solvent cleaning sinks with remote solvent reservoirs, identified as CC12 – CC14, installed in 2006, with a maximum capacity of 0.3 gallon per day, each.
  - (4) Five (5) agitating cold solvent cleaners, identified as AAC-1 – AAC-5, installed in 2006, with a maximum capacity of 0.6 gallon per day, each.
  - (5) Eight (8) calibration fluid cold solvent cleaners, identified as CCC-1 – CCC-8, installed in 2006, with a maximum capacity of 1.2 gallon per day, each.

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

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

#### D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the 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.2.2 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 cleaner degreaser operations 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<sup>o</sup>C) (one hundred degrees Fahrenheit (100<sup>o</sup>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<sup>o</sup>C) (one hundred degrees Fahrenheit (100<sup>o</sup>F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9<sup>o</sup>C) (one hundred twenty degrees Fahrenheit (120<sup>o</sup>F)):
- (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
  - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
  - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), for cold cleaning facility construction of which commenced after July 1, 1990, the Permittee 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.

## SECTION D.3

## FACILITY OPERATION CONDITIONS

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

- (d) Natural gas combustion fired combustions sources, collectively identified as P003.
- (1) One (1) air make-up unit, installed in 2006, with a rated capacity of 10.40 million British thermal units per hour
- (2) One (1) Cambridge air make-up unit, installed in 2006, with a rated capacity of 3 million British thermal units per hour.
- (3) Two (2) Thermadeck air make-up units, installed in 2006, with a rated capacity of 5.83 million British thermal units per hour, each.
- (4) Three (3) air curtains, installed in 2006, with a rated capacity of 9.5 million British thermal units per hour, each.
- (5) One (1) office boiler, installed in 2006, with a rated capacity of 0.64 million British thermal units per hour
- (6) Two (2) unit heaters, installed in 2006, with a rated capacity of 0.15 million British thermal units per hour, each.
- (7) One (1) unit heater, installed in 2006, with a rated capacity of 0.06 million British thermal units per hour.
- (8) One (1) break room/ training room furnace, installed in 2006, with a rated capacity of 0.4 million British thermal units per hour.
- (9) One (1) office furnace, installed in 2006, with a rated capacity of 0.06 million British thermal units per hour.
- (10) Eleven (11) infrared unit heaters, installed in 2006, with a rated capacity of 0.7 million British thermal units per hour, each.
- (11) Three (3) infrared unit heaters, installed in 2006, with a rated capacity of 0.3 million British thermal units per hour.
- (12) Two (2) engine block washers (#1 and #2), installed in 2006, with a rated capacity of 0.225 million British thermal units per hour, each.
- (13) One (1) Disa Goff hydropulse parts washer, installed in 2006, with a rated capacity of 0.5 million British thermal units per hour.
- (14) One (1) Hotsy spray washer, installed in 2006, with a rated capacity of 0.687 million British thermal units per hour.

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

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

#### D.3.1 Particulate Matter (PM) [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4(a) (Particulate Matter Emission Limitations for Sources of Indirect Heating for Specified Facilities), the PM emissions from the one (1) office boiler rated at 0.64 million Btu per hour shall not exceed 0.6 pounds of particulate matter per million Btu heat input.

## SECTION D.4

## FACILITY OPERATION CONDITIONS

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

- (e) Eight (8) diesel-powered engine test cells (dynos), collectively identified as P004 and individually known as E-1 – E-8, installed in 2005, each rated at a maximum output of 275 horsepower, individually exhausting to stacks identified as P004-1 – P004-8 and venting to atmosphere; combined capacity of 120 engines per day, 36,000 engines per year.

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

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

#### D.4.1 NO<sub>x</sub> FESOP Limit [326 IAC 2-8]

Pursuant to 326 IAC 2-8 the source has chosen to limit NO<sub>x</sub> emissions to below 100 tons per year. Therefore, 326 IAC 2-7 (Part 70 Permit Program) will not be applicable.

The source will be in compliance with this NO<sub>x</sub> limit by limiting the eight diesel-powered test cells (P004) to less than a total of sixty (60) tons of NO<sub>x</sub> per twelve (12) consecutive month period with compliance determined at the end of each month. P004 shall be limited as follows:

- (a) The potential to emit of NO<sub>x</sub> shall not exceed 0.47 pounds of NO<sub>x</sub> per gallon of diesel fuel.
- (b) The input of diesel fuel to the eight (8) diesel-powered engine test cells, known collectively as P004, shall be less than 252,920 gallons per twelve (12) consecutive month period with compliance determined at the end of each month.

These limitations equate to the emission rate E which has been established for P004 as follows:

Emission Unit	Emission Rate (lbs NO <sub>x</sub> /gal diesel fuel)	Annual Fuel Limit (gal)	NO <sub>x</sub> Emissions (tpy)
Dynos E-1 thru E-8	0.47	252,920	59.60

Compliance with this limit makes 326 IAC 2-2 Prevention of Significant Deterioration (PSD) not applicable. Compliance with this limit makes 326 IAC 2-3 (Emission Offset) not applicable.

### Compliance Determination Requirements

#### D.4.2 Testing Requirements [326 IAC 2-8-1(a)(1),(4)][326 IAC 2-1.1-11]

Within one hundred and eighty (180) days after the initial startup, in order to demonstrate compliance with Condition D.4.1, the Permittee shall perform Nitrogen Oxides (NO<sub>x</sub>) testing for two (2) of the Diesel Powered Engine Test Cells (E-1 – E-8) utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years from the date of this valid compliance demonstration in accordance with Section C- Performance Testing.

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

### **D.4.3 Visible Emissions Notations**

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

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

### **D.4.4 Record Keeping Requirements**

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- (a) To document compliance with Condition D.4.1, the Permittee shall maintain records for the engine test cells and engine attribute cells in accordance with (1) through (3) below.
  - (1) Calendar dates covered in the compliance determination period;
  - (2) Actual diesel fuel usage since last compliance determination period;
  - (3) A certification, signed by the owner or operator, that the records of the fuel supplier certifications represent all of the fuel combusted during the period.

The Permittee shall retain records of all recording/monitoring data and support information for a period of five (5) years, or longer if specified elsewhere in this permit, from the date of the monitoring sample, measurement, or report. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit.

- (b) To document compliance with Condition D.4.3, the Permittee shall maintain records of visible emission notations of the engine test cell stack exhausts once per working day during normal daylight operations when exhausted to the atmosphere.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

### **D.4.5 Reporting Requirements**

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A quarterly summary of the information to document compliance with Condition D.4.1 shall be submitted to the address listed in Section C - General Reporting Requirements, 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.5

## FACILITY OPERATION CONDITIONS

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

- (f) Natural Gas Fired Burn-off Ovens with Afterburners, collectively identified as P005.
- (1) Five (5) Large Burn-off Ovens, identified as O-1, O-2, O-5, O-10, and O-11, installed in 2006, each rated at 1.2 million British thermal units per hour, each equipped with afterburners rated at 1.2 million British thermal units per hour, individually exhausting to stacks P005-1, P005-2, P005-5, P005-10, and P005-11 and venting to atmosphere, capacity; 4,000 pounds per hour of engine parts and 50 pounds per hour of oily residue, each.
  - (2) Two (2) Medium Burn-off Ovens, identified as O-6 and O-7, installed in 2006, each rated at 0.35 million British thermal units per hour, each equipped with afterburners rated at 0.35 million British thermal units per hour, individually exhausting to stacks P005-6 and P005-7 and venting to atmosphere, capacity; 2,500 pounds per hour of engine parts and 20 pounds per hour of oily residue, each.
  - (3) One (1) Small Burn-off Oven, identified as O-3, installed in 2006, rated at 0.2 million British thermal units per hour, equipped with an afterburner rated at 0.2 million British thermal units per hour, exhausting to stack P005-3 and venting to atmosphere, capacity; 200 pounds per hour of engine parts and 7 pounds per hour of oily residue.

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

### D.5.1 Incinerators [326 IAC 4-2-2]

Pursuant to 326 IAC 4-2-2 (Incinerators: Requirements), the natural gas fired burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) shall comply with the following:

- (a) The incinerator shall comply with the following requirements:
  - (1) Consist of primary and secondary chambers or the equivalent.
  - (2) Be equipped with a primary burner unless burning only wood products.
  - (3) Comply with 326 IAC 5-1 and 326 IAC 2.
  - (4) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan as specified in paragraph (c) of this condition.
  - (5) Not emit particulate matter in excess of five-tenths (0.5) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air.
  - (6) If any of the requirements of (1) through (5) are not met, then the Permittee shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.
- (b) A Permittee developing an operation and maintenance plan pursuant to paragraph (a)(4) of this condition must comply with the following:

- (1) The operation and maintenance plan must be designed to meet the particulate matter emission limitation specified in paragraph (a)(5) of this condition and include the following:
    - (A) Procedures for receiving, handling, and charging waste.
    - (B) Procedures for incinerator startup and shutdown.
    - (C) Procedures for responding to a malfunction.
    - (D) Procedures for maintaining proper combustion air supply levels.
    - (E) Procedures for operating the incinerator and associated air pollution control systems.
    - (F) Procedures for handling ash.
    - (G) A list of wastes that can be burned in the incinerator.
  - (2) Each incinerator operator shall review the plan before initial implementation of the operation and maintenance plan and annually thereafter.
  - (3) The operation and maintenance plan must be readily accessible to incinerator operators.
  - (4) The Permittee shall notify the department, in writing, thirty (30) days after the operation and maintenance plan is initially developed pursuant to this section.
- (c) The Permittee shall make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.

D.5.2 Carbon monoxide Emission Limits [326 IAC 9-1-2]

Pursuant to 326 IAC 9-1-2(a)(3), the Permittee shall not operate burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) unless the waste gas stream is burned in one (1) of the following:

- (a) Direct-flame afterburner.
- (b) Secondary chamber.

## SECTION D.6

## FACILITY OPERATION CONDITIONS

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

- (g) Abrasive blasting and grinding, collectively identified as P006, as follows:
- (1) Two (2) steel shot abrasive blasting facilities, identified as SSB#2 and SSB#8, installed in 2006, each equipped with one (1) of two (2) dust collectors, both exhausting into the building, capacity; 72,000 pounds of abrasive per hour, each.
  - (2) One (1) steel shot abrasive blasting facilities, identified as SSB#1, installed in 2006, equipped with a dust collector, exhausting into the building, capacity; 72,000 pounds of abrasive per hour.
  - (3) One (1) steel shot abrasive blasting facility, identified as SSB#4, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 24,000 pounds of abrasive per hour.
  - (4) One (1) steel shot abrasive blasting facility, identified as SSB#5, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 36,000 pounds of abrasive per hour.
  - (5) One (1) steel shot abrasive blasting facility, identified as SSB#7, installed in 2006, equipped with a dust collector, exhausting into the building, capacity; 12,000 pounds of abrasive per hour.
  - (6) Six (6) pneumatic glass bead abrasive facilities, identified as GBB#4, GBB#5, GBB#6, GBB#7, GBB#8, and GBB#9, installed in 2006, each equipped with one (1) of six (6) dust collectors, exhausting into the building, capacity; 196.97 pounds of abrasive per hour, each.
  - (7) Three (3) pneumatic glass bead abrasive facilities, identified as GBB#1, GBB#2, and GBB#3, installed in 2006, each equipped with one (1) of three (3) dust collectors, exhausting into the building, capacity; 196.97 pounds of abrasive per hour, each.
  - (8) One (1) pneumatic glass bead abrasive facility, identified as GBB#10, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 321.82 pounds of abrasive per hour, each.
  - (9) Two (2) pneumatic glass bead abrasive facilities, identified as GBB#11 and GBB#12, installed in 2006, each equipped with one (1) of two (2) dust collectors, exhausting into the building, capacity; 67.55 pounds of abrasive per hour, each.
  - (10) Two (2) manual plastic bead abrasive blasting facilities, identified as PBB#1 and PBB#6, installed in 2006, each equipped with one (1) of two (2) dust collectors, exhausting into the building, capacity; 212.12 pounds of abrasive per hour, each.
  - (11) Five (5) manual plastic bead abrasive blasting facilities, identified as PBB#2 through PBB#5 and PBB#7, installed in 2006, each equipped with one (1) of five (5) dust collectors, exhausting into the building, capacity; 128.79 pounds of abrasive per hour, each.
  - (12) One (1) grinding booth, identified as RB#1, installed in 2006, equipped with a dust collector, exhausting into the building, capacity; 480 pounds of engine parts per day.

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

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

**D.6.1 FESOP Minor Limit Particulate Matter (PM10) [326 IAC 2-8]**

Pursuant to 326 IAC 2-8 the source will limit source wide PM10 emissions to below 100 tons per year by limiting the pound per hour emissions of the controlled units. The controlled units shall be limited as follows:

Unit	PM10 Limit Per Unit (lb/hr)
SSB#7	0.68
SSB#4, SSB#5	0.80
SSB#2	1.83
SSB#1, SSB#8	1.60
GBB#1, GBB#2, GBB#3	0.02
GBB#4, GBB#5, GBB#6, GBB#7, GBB#8, GBB#9,	0.03
GBB#10, GBB#11, GBB#12	0.04
PBB#1, PBB#2	0.02
PBB#3, PBB#4, PBB#5, PBB#6, PBB#7	0.04
Total:	7.91

**D.6.2 Particulate Matter (PM) [326 IAC 6-3-2]**

Pursuant to, 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) the particulate emissions from abrasive blasting and grinding (P006) shall not exceed the pound per hour emission rate established as E in the following formula:

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

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

The emissions rate E has been established for the units as follows:

Units	Process Weight Rate per unit (tons/hour)	PM Emission Limit per unit (lbs/hr)
SSB#2, SSB#8	1	4.10
SSB#1	0.75	3.38
SSB#4, SSB#5	0.33	1.95
SSB#7	0.1	0.88
GBB#4, GBB#5, GBB#6, GBB#7, GBB#8, GBB#9	0.025	0.35
GBB#1, GBB#2, GBB#3	0.0125	0.22
GBB#10, GBB#11, GBB#12	0.025	0.35
PBB#1, PBB#2	0.36	2.07
PBB#3, PBB#4, PBB#5, PBB#6, PBB#7	0.015	0.246
RB#1	0.01	0.19
Total		25.73

**D.6.3 Particulate Control**

- (a) In order to comply with Conditions D.6.4 and D.6.5, particulate from abrasive blasting and grinding manufacturing processes shall be controlled by dust collectors and the Permittee shall operate the control device in accordance with manufacturer's specifications.

- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

#### D.6.4 Preventive Maintenance Plan [326 IAC 2-8-4(9)]

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

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

#### D.6.5 Visible Emissions Notations

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

#### D.6.6 Parametric Monitoring

The Permittee shall record the pressure drop across the dust collectors controlling the abrasive blasting, and grinding operations (SSB#1, SSB#2, SSB#4, SSB#5, SSB#7 and SSB#8, SB#1, GBB#1 - GBB#12, and PBB#1 – PBB#7), once per day when venting to the outside atmosphere. When for any one reading, the pressure drop across the dust collector is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

#### D.6.7 Dust Collector Failure Detection

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

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

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

#### D.6.8 Record Keeping Requirements

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- (a) To document compliance with Condition D.6.5, the Permittee shall maintain records of the daily visible emission notations of the shot blast stacks exhaust on days when the shot blasters are exhausting to the outside atmosphere.
- (b) To document compliance with Condition D.6.6, the Permittee shall maintain records of the pressure drop across the dust collectors controlling the abrasive blasting, and grinding operations (SSB#1, SSB#2, SSB#4, SSB#5, SSB#7 and SSB#8, SB#1, GBB#1 - GBB#12, and PBB#1 – PBB#7), on days when the shot blasters are exhausting to the outside atmosphere.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

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

Source Name: Franklin Power Products / International Fuel Systems  
Source Address: 751 International Drive, Franklin, Indiana 46131  
Mailing Address: 400 Forsythe Street, Franklin, Indiana 46131  
FESOP No.: F081-20601-00056

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Date:

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

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

Source Name: Franklin Power Products / International Fuel Systems  
Source Address: 751 International Drive, Franklin, Indiana 46131  
Mailing Address: 400 Forsythe Street, Franklin, Indiana 46131  
FESOP No.: F081-20601-00056

**This form consists of 2 pages**

**Page 1 of 2**

- |   |
|---|
| <input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none"><li>• The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and</li><li>• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16</li></ul> |
|---|

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

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

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

**Page 2 of 2**

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

Form Completed by: \_\_\_\_\_  
Title / Position: \_\_\_\_\_  
Date: \_\_\_\_\_  
Phone: \_\_\_\_\_

A certification is not required for this report.

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

### FESOP Quarterly Report

Source Name: Franklin Power Products / International Fuel Systems  
Source Address: 751 International Drive, Franklin, Indiana 46131  
Mailing Address: 400 Forsythe Street, Franklin, Indiana 46131  
FESOP No.: F081-20601-00056  
Facility: Engine Test Cells E1 – E8 (P004)  
Parameter: Diesel Fuel  
Limit: 252,920 per twelve (12) consecutive month period

YEAR: \_\_\_\_\_

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

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

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

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Franklin Power Products / International Fuel Systems  
Source Address: 751 International Drive, Franklin, Indiana 46131  
Mailing Address: 400 Forsythe Street, Franklin, Indiana 46131  
FESOP No.: F081-20601-00056

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked ANo deviations occurred this reporting period@.</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

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

Form Completed By: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

Attach a signed certification to complete this report.

Mail to: Permit Administration & Development Section  
Office Of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

Franklin Power Products / International Fuel Systems  
751 International Drive  
Franklin, Indiana 46131

*Affidavit of Construction*

I, \_\_\_\_\_, being duly sworn upon my oath, depose and say:  
(Name of the Authorized Representative)

1. I live in \_\_\_\_\_ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.

2. I hold the position of \_\_\_\_\_ for \_\_\_\_\_.  
(Title) (Company Name)

3. By virtue of my position with \_\_\_\_\_, I have personal  
(Company Name)  
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of \_\_\_\_\_.  
(Company Name)

4. I hereby certify that Franklin Power Products/International Fuel Systems, 751 International Drive, Franklin, IN 46131, completed construction of the (operation/facility) on \_\_\_\_\_ in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on January 26, 2005 and as permitted pursuant to **FESOP Permit No. 081-20601** as revised in SPR No. 081-23906, **Plant ID No. 081-00056**.  
issued on

5. Additional (operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit. (Delete this statement if it does not apply.)

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature

Date

STATE OF INDIANA)  
)SS

COUNTY OF \_\_\_\_\_ )

Subscribed and sworn to me, a notary public in and for \_\_\_\_\_ County and State of  
Indiana on this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.

My Commission expires:

Signature

Name (typed or printed)

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

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

**Source Background and Description**

<b>Source Name:</b>	<b>Franklin Power Products / International Fuel Systems</b>
<b>Source Location:</b>	<b>751 International Drive, Franklin, Indiana 46131</b>
<b>County:</b>	<b>Johnson</b>
<b>SIC Code:</b>	<b>3519</b>
<b>Operation Permit No.:</b>	<b>FESOP 081-20601-00056</b>
<b>Operation Permit Issuance Date:</b>	<b>September 6, 2005</b>
<b>Permit Revision No.:</b>	<b>081-23906-00056</b>
<b>Permit Reviewer:</b>	<b>Alic Bent/EVP</b>

The Office of Air Quality (OAQ) has reviewed an application from Franklin Power Products / International Fuel Systems relating to changes to the equipment list and corresponding emission unit descriptions, rates and emission levels in the FESOP.

**History**

On November 17, 2006, Franklin Power Products / International Fuel Systems submitted an application to the OAQ requesting the following changes to their existing plant. Franklin Power Products / International Fuel Systems was issued a New Source Construction and FESOP on September 6, 2005. The Permittee is currently constructing the plant.

- (a) Removal of cold solvent degreasers CC15 – CC17, DDC-1 and ICC-1 from the equipment list and emission totals. Cold solvent degreasers CC15 – CC17, DDC-1 and ICC-1 were never constructed at the source.
- (b) Addition of four (4) cold cleaners CCC5 – CCC8.
- (c) Removal of twenty-five (25) space heaters, two (2) head washers, one (1) two stage conveyorized spray washer, one (1) Disa Goff tumble washer, and one (1) pass through small parts washer from the permit.
- (d) Replacement of two (2) heating units with one (1) new Break Room and Training Room furnace.
- (e) Addition of eight (8) infra-red unit heaters, with a rated capacity of 0.7 million British thermal units per hour, each.
- (f) Removal of one (1) small burn-off oven (O-4) and two (2) medium burn-off ovens (O-8 and O-9).
- (g) Replacement of one (1) medium burn-off oven (O-5), with a rated capacity of 0.35 million British thermal units per hour, with a large burn-off oven (O-5), with a rated capacity of 2.4 million British thermal units per hour.
- (h) Removal of three (3) abrasive blasting units SB#1, SSB#3 and SSB#6, and blow-off unit (BO#1).

- (i) Addition of three (3) glass bead blasters GBB#10 – GBB#12 and five (5) plastic bead blasters PBB#3 – PBB#7.

### Existing Approvals

The source was issued a FESOP 081-20601-00056 on September 6, 2005.

### Enforcement Issue

There are no enforcement actions pending.

### Recommendation

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

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

An application for the purposes of this review was received on November 17, 2006.

### Emission Calculations

See Appendix A: pages 1 through 17 of this document for detailed emissions calculations.

### Potential To Emit of the After the Significant Permit Revision

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

Pollutant	Potential To Emit (tons/year)
PM	5,219.65
PM-10	4,479.08
SO <sub>2</sub>	10.09
VOC	73.81
CO	61.27
NO <sub>x</sub>	151.12

HAP's	Potential To Emit (tons/year)
Largest Single HAP (Glycol Ethers)	9.77
All Other HAPs combined	3.48
TOTAL	13.25

### Justification for Revision

The FESOP is being revised through a Significant Permit Revision. This revision is being performed pursuant to 326 IAC 2-8-11.1(f)(1), because it involves revisions to the FESOP limits.

### County Attainment Status

The source is located in Johnson County.

Pollutant	Status
PM-10	Attainment
PM-2.5	Nonattainment
SO <sub>2</sub>	Attainment
NO <sub>2</sub>	Attainment
8-hour Ozone	Basic Nonattainment
CO	Attainment
Lead	Attainment

- (a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Johnson County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability for the source section.
- (b) U.S.EPA in Federal Register Notice 70 FR 943 dated January 5, 2005 has designated Johnson County as nonattainment for PM2.5. On March 7, 2005 the Indiana Attorney General's Office on behalf of IDEM filed a law suit with the Court of Appeals for the District of Columbia Circuit challenging U.S. EPA's designation of non-attainment areas without sufficient data. However, in order to ensure that sources are not potentially liable for violation of the Clean Air Act, the OAQ is following the U.S. EPA's guidance to regulate PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (c) Johnson County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) 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.
- (e) Fugitive Emissions  
Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

**Source Status**

Existing Source PSD or Emission Offset Definition (emissions after controls, based upon 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	23.59
PM-10	41.78
SO <sub>2</sub>	6.51
VOC	71.03
CO	45.22
NO <sub>x</sub>	94.06

- (a) This existing source is not a major stationary source under PSD because no attainment regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the 28 listed source categories.
- (b) This existing source is a major stationary source under Emission Offset because an attainment regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the 28 listed source categories.
- (c) These emissions are based upon FESOP 081-20601-00056, issued on September 6, 2005.

**Potential to Emit After Controls for the Revision**

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units for the modification.

Process/facility	Potential to Emit (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
PB#1 (Paint Booth)	0.53	0.53	--	11.80	--	--	9.77
P001 (Misc. Plantwide)	--	--	--	27.01	--	--	2.45
P002 (Cold Cleaning)	--	--	--	<del>24.10</del> <b>23.55</b>	--	--	--
P003 (Natural Gas Combustion)	0.54	<del>2.14</del> <b>2.17</b>	0.17	<del>1.55</del> <b>1.57</b>	<del>23.66</del> <b>24.01</b>	<del>28.16</del> <b>28.58</b>	0.54
P004 (Engine Tests Cells)	--	5.37	5.02	6.24	16.46	59.60	0.49
P005 (Burn-Off Ovens)	<del>5.6</del> <b>4.53</b>	<del>5.37</del> <b>4.53</b>	<del>1.32</del> <b>0.04</b>	0.33	<del>5.10</del> <b>5.08</b>	<del>6.30</del> <b>6.04</b>	<del>0.23</del>
P006 (Abrasive Blasting)	<del>16.08</del> <b>16.55</b>	<del>27.53</del> <b>13.97</b>	--	--	--	--	--
P007 (Welding)	0.84	0.84	--	--	--	--	--

Process/facility	Potential to Emit (tons/year)						
	PM	PM-10	SO <sub>2</sub>	VOC	CO	NO <sub>x</sub>	HAPs
Insignificant Activities	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
Total Emissions	<del>23.59</del> <b>22.99</b>	<del>41.78</del> <b>27.41</b>	<del>6.54</del> <b>5.23</b>	<del>71.03</del> <b>70.50</b>	<del>45.22</del> <b>45.55</b>	<del>94.06</del> <b>94.22</b>	<del>13.94</del> <b>13.25</b>

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

This modification to an existing minor stationary source is not major because the emission increase is less than the Emission Offset significant levels. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply.

### Federal Rule Applicability

- (a) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.50, Subpart E - Standards of Performance for Incinerators) are not included for the natural gas fired burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) because the maximum charge capacity of each incinerator is below the rule applicability threshold of 50 tons per day.
- (b) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.1000, Subpart AAAA - Standards of Performance for New Stationary Sources: Small Municipal Waste Combustion Units) are not included for the natural gas fired burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) because the maximum charge capacity of each burn-off oven is below the rule applicability threshold of 35 tons per day.
- (c) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.2000, Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 or for Which Modification or Reconstruction is Commenced On or After June 1, 2001) are not included for the natural gas fired burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) because they do not burn garbage, refuse, and/ or sludge.
- (d) The requirements of the New Source Performance Standard, (40 CFR Part 60.2880, Subpart EEEE - Standards of Performance for Other Solid Waste Incineration Units for Which Construction Is Commenced After December 9, 2004, or for Which Modification or Reconstruction Is Commenced on or After June 16, 2006) are not included for the natural gas fired burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) because they do not burn garbage, refuse, and/ or sludge.
- (e) The requirements of the National Emission Standards for Hazardous Air Pollutants, 40 CFR Part 63, Subpart EEE (National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors) (326 IAC 20-28) are not included in the permit for the burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) because the burn-off ovens do not combust hazardous waste.

### State Rule Applicability - Entire Source

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

The source-wide PM and PM10 emissions are controlled to less than 250 and 100 tons per year, respectively. NOx emissions are limited to less than 100 tons per year. Therefore, 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) does not apply.

**326 IAC 2-1.1-5 (Nonattainment NSR)**

Johnson County has been designated as non-attainment for PM2.5 in 70 FR 943 dated January 5, 2005. According to the April 5, 2005 EPA memo titled "Implementation of New Source Review Requirements in PM2.5 Nonattainment Areas" authored by Steve Page, Director of OAQPS, until EPA promulgates the PM2.5 major NSR regulations, states should assume that a major stationary source's PM emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment NSR program as a surrogate to address the requirements of nonattainment major NSR for PM2.5 NAAQS. Franklin Power Products has controlled the source-wide potential to emit of PM10 is controlled to less than 100 tons per year. Therefore, assuming that PM10 emissions represent PM2.5 emissions, 326 IAC 2-1.1-5 does not apply.

**326 IAC 2-8 (PM10 FESOP Limit)**

Pursuant to 326 IAC 2-8, the source has chosen to limit PM10 emission to below 100 tons per year. The source will be in compliance by limiting the ton per year emissions of the controlled units PM10 per twelve (12) consecutive month period. The source has chosen to limit the controlled units as follows:

Unit	PM10 Limit Per Unit (lb/hr)
SSB#7	0.68
SSB#4, SSB#5, SSB#6	0.80
SSB#2	1.83
SSB#3	<del>1.37</del>
SSB#1, SSB#8	1.60
GBB#1, GBB#2, GBB#3	0.02
SB#1	<del>0.09</del>
GBB#4, GBB#5, GBB#6, GBB#7, GBB#8, GBB#9,	<del>0.04</del> <b>0.03</b>
<b>GBB#10, GBB#11, GBB#12</b>	<b>0.04</b>
PBB#1, PBB#2	0.02
<b>PBB#3, PBB#4, PBB#5, PBB#6, PBB#7</b>	<b>0.04</b>
Total:	<del>9.73</del> <b>7.91</b>

The dust collectors shall be in operation at all times the above facilities are in operation, in order to comply with these limits. These emission limits combined with the PM10 emissions from other units limit the PM10 from the entire source to less than 100 tons per year. Therefore, the requirements of 326 IAC 2-7 (Part 70 Program), 326 IAC 2-2 (PSD), and 326 IAC 2-3 (Emission Offset) are not applicable.

**State Rule Applicability - Individual Facilities**

**326 IAC 4-2-2 (Incinerators)**

The natural gas fired burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) are subject to the requirements of 326 IAC 4-2-1 because they burn waste oil residue. Pursuant to 326 IAC 4-2-2 (Incinerators), the natural gas fired burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) shall comply with the following:

- (a) The burn-off ovens shall comply with the following requirements:
  - (1) Consist of primary and secondary chambers or the equivalent.
  - (2) Be equipped with a primary burner unless burning only wood products.
  - (3) Comply with 326 IAC 5-1 and 326 IAC 2.

- (4) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan as specified in paragraph (c) of this condition.
  - (5) Not emit particulate matter in excess of five-tenths (0.5) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air.
  - (6) If any of the requirements of (1) through (5) are not met, then the Permittee shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.
- (b) A Permittee developing an operation and maintenance plan pursuant to paragraph (a)(4) of this condition must comply with the following:
- (1) The operation and maintenance plan must be designed to meet the particulate matter emission limitation specified in paragraph (a)(5) above and include the following:
    - (A) Procedures for receiving, handling, and charging waste.
    - (B) Procedures for incinerator startup and shutdown.
    - (C) Procedures for responding to a malfunction.
    - (D) Procedures for maintaining proper combustion air supply levels.
    - (E) Procedures for operating the incinerator and associated air pollution control systems.
    - (F) Procedures for handling ash.
    - (G) A list of wastes that can be burned in the incinerator.
  - (2) Each incinerator operator shall review the plan before initial implementation of the operation and maintenance plan and annually thereafter.
  - (3) The operation and maintenance plan must be readily accessible to incinerator operators.
  - (4) The Permittee shall notify the department, in writing, thirty (30) days after the operation and maintenance plan is initially developed pursuant to this section.
- (c) The Permittee shall make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.

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

The particulate from the glass bead blasters (GBB#10, GBB#11 and GBB#12), and the plastic bead blasters (PBB#3, PBB#4, PBB#5, PBB#6 and PBB#7) shall be limited by the following:

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

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

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

Units	Process Weight Rate per unit (tons/hour)	PM Emission Limit per unit (lbs/hr)
GBB#10, GBB#11, GBB#12	0.025	0.346
PBB#3, PBB#4, PBB#5, PBB#6, PBB#7	0.015	0.246

The dust collectors shall be in operation at all times the glass bead blasters (GBB#10, GBB#11 and GBB#12), and the plastic bead blasters (PBB#3, PBB#4, PBB#5, PBB#6 and PBB#7) are in operation, in order to comply with these limits.

#### 326 IAC 9-1-2 (Carbon monoxide Emission Limits)

Pursuant to 326 IAC 9-1-2(a)(3), the Permittee shall not operate burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) unless the waste gas stream is burned in one (1) of the following:

- (a) Direct-flame afterburner.
- (b) Secondary chamber.

Burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) are each equipped with a direct-flame afterburner and therefore will comply with the rule requirements.

### Compliance Requirements

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also 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.

There are no new compliance monitoring requirements applicable to the revisions to this source.

### Changes Proposed

The changes listed below have been made to the FESOP 081-20601-00056.

1. The IDEM zip code has been changed throughout the permit.
2. The compliance section telephone and facsimile numbers have been revised throughout the permit.
3. Condition B.1, Permit No Defense, has been removed from Section B. This condition is now on the FESOP title page.
4. Conditions B.4 (Permit Term) and B.19 (Permit Renewal) have been revised for clarification purposes. Also, Condition B.5 (Terms of Permit) has been added.

5. IDEM has determined that the Permittee is not required to keep records of all preventive maintenance. However, where the Permittee seeks to demonstrate that an emergency has occurred, the Permittee must provide, upon request, records of preventive maintenance in order to establish that the lack of proper maintenance did not cause or contribute to the deviation. Therefore, IDEM has deleted paragraph (b) of Condition B.15 – Preventive Maintenance (now re-numbered B.13), and has amended Condition B.11 – Emergency Provisions (now re-numbered B.14). Also, the requirements to keep records of the control device inspection in D.1.8(b) has been deleted.
6. IDEM has decided to remove (d) concerning nonroad engines from Section B – Permit Amendment or Revision. 40 CFR 89, Appendix A specifically indicates that states are not precluded from regulating the use and operation of nonroad engines, such as regulation on hours of usage, daily mass emission limits, or sulfur limits on fuels, nor are permits regulating such operations precluded, once the engine is no longer new.
7. For clarification purposes, Condition B.20 - Operational Flexibility has been revised.
8. Condition B.22 (Permit Revision Requirement) was revised and re-named “Source Modification Requirement”.
9. The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations) that had been part of the SIP; therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Conditions C.1 and D.1.1 have been revised which contained these requirements.
10. IDEM, OAQ has decided that it is best to have the requirement of operating control equipment at all times be placed under compliance determination in the specific D conditions, and remove Condition C.7 (Operation of Equipment).
11. IDEM, OAQ realizes that the specifications in Condition C.14 (Pressure Gauge and Other Instrument Specifications) (now re-numbered C.13) can only be practically applied to analog units, and has therefore clarified the condition to state that the condition only applies to analog units. IDEM, OAQ has also determined that the accuracy of the instruments is not nearly as important as whether the instrument has a range that is appropriate for the normal expected reading of the parameter. Therefore, the accuracy requirements have been removed from the condition.
12. IDEM has reconsidered the requirement to develop and follow a Compliance Response Plan. The Permittee will still be required to take reasonable response steps when a compliance monitoring parameter is determined to be out of range or abnormal. Replacing the requirement to develop and follow a Compliance Response Plan with a requirement to take reasonable response steps will ensure that the control equipment is returned to proper operation as soon as practicable, while still allowing the Permittee the flexibility to respond to situations that were not anticipated. Therefore, the condition for “Compliance Response Plan” has been replaced by the condition for “Response to Excursions or Exceedances”. The Section D conditions that refer to this condition have been revised to reflect the new condition title (see the changes in the section of Proposed Changes).
13. Sections A.2 (c) and D.2 have been revised to reflect the addition of four (4) cold cleaners CCC5 through CCC8 and the removal of cold solvent degreasers CC15 – CC17, DDC-1 and ICC-1 from the equipment list.

14. Sections A.2 (d) and D.3 have been revised to reflect the addition of eight (8) infra-red unit heaters, the replacement of two (2) heating units with one (1) new Break Room and Training Room furnace and the removal of twenty-five (25) space heaters, two (2) head washers, one (1) two stage conveyORIZED spray washer, one (1) Disa Goff tumble washer, and one (1) pass through small parts washer from the equipment list.
15. Sections A.2 (f) and D.5 have been revised to reflect the replacement of one (1) medium burn-off oven (O-5), with a rated capacity of 0.35 million British thermal units per hour, with a large burn-off oven (O-5), with a rated capacity of 2.4 million British thermal units per hour and the removal of one (1) small burn-off oven (O-4) and two (2) medium burn-off ovens (O-8 and O-9) from the equipment list.
16. Sections A.2 (g) and D.6 have been revised to reflect the addition of glass bead blasting units (GBB#10 through GBB#12) and plastic bead blasting units (PBB#3 through PBB#7), the removal of sand blasting unit (SB#1), blow-off unit (BO#1) and steel shot blasting units (SSB#3 and SSB#6), and to express the capacity of each blasting unit in terms of abrasive used per hour.
17. The 326 IAC 2-8 (FESOP) limits for glass bead blasting units (GBB#4 through GBB#9) have been revised. FESOP limits have been added to the permit for glass bead blasting units (GBB#10 through GBB#12) and plastic bead blasting units (PBB#3 through PBB#7).
18. 326 IAC 6-3 limits have been added to the permit for glass bead blasting units (GBB#10 through GBB#12) and plastic bead blasting units (PBB#3 through PBB#7).
19. The compliance monitoring and the recordkeeping conditions in Section D.6 have been revised to include monitoring and recordkeeping for glass bead blasting units (GBB#10 through GBB#12) and plastic bead blasting units (PBB#3 through PBB#7).
20. Paragraph (a) of the Broken or Failed Baghouse condition has been deleted. For multi-compartment baghouses, the permit will not specify what actions the Permittee needs to take in response to a broken bag. However, a requirement has been added to Condition D.6.3 requiring the Permittee to notify IDEM if a broken bag is detected and the control device will not be repaired for more than ten (10) days. This notification allows IDEM to take any appropriate actions if the emission unit will continue to operate for a long period of time while the control device is not operating in optimum condition.  
  
Paragraph (b) of this condition has been revised for those processes that operate in batch mode. The condition required an emission unit to be shut down immediately in case of baghouse failure. However, IDEM is aware there can be safety issues with shutting down a process in the middle of a batch. IDEM also realizes that in some situations, shutting down an emissions unit mid-process can cause equipment damage. Therefore, since it is not always possible to shut down a process with material remaining in the equipment, IDEM has revised the condition to state that in the case of baghouse failure, the feed to the process must be shut off immediately, and the process shall be shut down as soon as practicable.
21. Upon further review, IDEM has determined that it is the Permittee's responsibility to include routine control device inspection requirements in the applicable preventive maintenance plan. Since the Permittee is in the best position to determine the appropriate frequency of control device inspections and the details regarding which components of the control device should be inspected, the conditions requiring control device inspections have been removed from the permit. In addition, the requirement to keep records of the inspections has been removed.
22. The emission calculations in Appendix A have been revised to include all the changes made to the permit.
23. Condition A.5, Prior Permits Superseded, has been removed from Section A. This condition is now Condition B.15.

24. Condition C.23 (now re-numbered C.19) has been updated to change "source" to "Permittee".
25. IDEM has determined that Condition D.2.3 (Preventive Maintenance Plan) and Condition D.2.4 (Record Keeping Requirements) for the cold solvent degreasers are not required to show compliance with the FESOP. Therefore, the conditions have been deleted from the permit.
26. Condition D.1.8 (Reporting Requirements) has been deleted from the permit since there are no specific reporting requirements applicable to the facilities listed under Section D.1.
27. Condition D.4.2 (Testing Requirements) has been revised to correct syntax errors.
28. Condition D.4.5 (Reporting Requirement) has been revised to include a statement that the quarterly report requires certification by an "authorized individual".
29. Section D.5 has been revised to include 326 IAC 4-2-2 and 326 IAC 9-1-2 requirements for the burn-off ovens.
30. Sections D.7 and D.8 have been deleted from the permit since there are no specific regulations applicable to the insignificant activities listed under these Sections.

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

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

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- (c) Cold solvent degreasing, collectively identified as P002.
  - (1) ~~Five (5) oscillating cold solvent cleaners, identified as CC-1 – CC-5, installed in 2005, with a maximum capacity of one (1) gallon per day, each.~~  
**Ten (10) agitating cold solvent cleaners, identified as CC-1 – CC-6 and CC-8 – CC-11, installed in 2006, with a maximum capacity of 0.7 gallon per day, each.**
  - (2) ~~Six (6) cold solvent cleaning tanks, identified as CC-6 – CC-11, installed in 2005, with a maximum capacity of 0.4 gallon per day, each.~~  
**One (1) maintenance agitating cold solvent cleaner, identified as CC-7, installed in 2006, with a maximum capacity of 0.5 gallon per day.**
  - (3) ~~Six (6) cold solvent cleaning sinks with remote solvent reservoirs, identified as CC-12 – CC-17, installed in 2005, with a maximum capacity of 0.3 gallon per day, each.~~  
**Three (3) cold solvent cleaning sinks with remote solvent reservoirs, identified as CC12 – CC14, installed in 2006, with a maximum capacity of 0.3 gallon per day, each.**
  - (4) Five (5) agitating cold solvent cleaners, identified as AAC-1 – AAC-5, installed in ~~2005~~ **2006**, with a maximum capacity of ~~4-5~~ **0.6** gallon per day, each.
  - (5) ~~One (1) dual stage cold solvent cleaner, identified as DDC-1, installed in 2005, with a maximum capacity of 0.5 gallon per day.~~
  - (6) ~~One (1) immersion cold solvent cleaner, identified as ICC-1, installed in 2005, with a maximum capacity of 0.2 gallon per day.~~

~~(7) Four (4) calibration fluid cold solvent cleaners, identified as CCC-1 – CCC-4, installed in 2005, with a maximum capacity of 0.5 gallon per day, each.~~

**(5) Eight (8) calibration fluid cold solvent cleaners, identified as CCC-1 – CCC-8, installed in 2006, with a maximum capacity of 1.2 gallon per day, each.**

(d) Natural gas combustion fired combustions sources, collectively identified as P003.

(1) One (1) air make-up unit, installed in ~~2005~~ **2006**, with a rated capacity of 10.40 million British thermal units per hour.

(2) One (1) Cambridge air make-up unit, installed in ~~2005~~ **2006**, with a rated capacity of 3 million British thermal units per hour.

(3) Two (2) Thermadeck air make-up units, installed in ~~2005~~ **2006**, with a rated capacity of 5.83 million British thermal units per hour, each.

(4) Three (3) air curtains, installed in ~~2005~~ **2006**, with a rated capacity of 9.5 million British thermal units per hour, each.

(5) One (1) office boiler, installed in ~~2005~~ **2006**, with a rated capacity of 0.64 million British thermal units per hour.

(6) Two (2) unit heaters, installed in ~~2005~~ **2006**, with a rated capacity of 0.15 million British thermal units per hour, each.

(7) One (1) unit heater, installed in ~~2005~~ **2006**, with a rated capacity of 0.06 million British thermal units per hour.

(8) One (1) break room/ training room furnace, installed in ~~2005~~ **2006**, with a rated capacity of ~~0.25~~ **0.4** million British thermal units per hour.

~~(9) One (1) training room furnace, installed in 2005, with a rated capacity of 0.11 million British thermal units per hour.~~

~~(10)~~**(9)** One (1) office furnace, installed in ~~2005~~ **2006**, with a rated capacity of ~~0.08~~ **0.06** million British thermal units per hour.

~~(11)~~**(10)**~~Eleven (11)~~ ~~Four (4)~~ infrared unit heaters, installed in ~~2005~~ **2006**, with a rated capacity of 0.7 million British thermal units per hour, each.

~~(12)~~**(11)** Three (3) infrared unit heaters, installed in ~~2005~~ **2006**, with a rated capacity of 0.3 million British thermal units per hour.

~~(13) Twenty five (25) space heaters, installed in 2005, with a rated capacity of 0.13 million British thermal units per hour, each.~~

~~(14) One (1) head washer, installed in 2005, with a rated capacity of 0.147 million British thermal units per hour.~~

~~(15) One (1) two stage conveyORIZED spray washer, installed in 2005, with a rated capacity of 1.10 million British thermal units per hour.~~

~~(16)~~**(12)** Two (2) engine block washers (#1 and #2), installed in ~~2005~~ **2006**, with a rated capacity of 0.225 million British thermal units per hour, each.

~~(17)~~**(13)** One (1) Disa Goff hydropulse parts washer, installed in ~~2005~~ **2006**, with a rated capacity of 0.5 million British thermal units per hour.

~~(18)~~ One (1) Disa Goff tumble washer, installed in 2005, with a rated capacity of 0.3 million British thermal units per hour.

~~(19)~~**(14)** One (1) Hotsy spray washer, installed in ~~2005~~ **2006**, with a rated capacity of 0.687 million British thermal units per hour.

~~(20)~~ One (1) head washer, installed in 2005, with a rated capacity of 0.2 million British thermal units per hour.

~~(21)~~ One (1) pass through small parts washer, installed in 2005, with a rated capacity of 0.25 million British thermal units per hour.

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(f) Natural Gas Fired Burn-off Ovens with Afterburners, collectively identified as P005.

(1) **Five (5)** ~~Four (4)~~ Large Burn-off Ovens, identified as O-1, O-2, **O-5**, O-10, and O-11, installed in ~~2005~~ **2006**, each rated at 1.2 million British thermal units per hour, each equipped with afterburners rated at 1.2 million British thermal units per hour, individually exhausting to stacks P005-1, P005-2, **P005-5**, P005-10, and P005-11 and venting to atmosphere, capacity; 4,000 pounds per hour of engine parts and 50 pounds per hour of oily residue, each.

(2) **Two (2)** ~~Five (5)~~ Medium Burn-off Ovens, identified as ~~O-5 through O-9~~ **O-6 and O-7**, installed in ~~2005~~ **2006**, each rated at 0.35 million British thermal units per hour, each equipped with afterburners rated at 0.35 million British thermal units per hour, individually exhausting to stacks ~~P005-5 through P005-9~~ **P005-6 and P005-7** and venting to atmosphere, capacity; 2,500 pounds per hour of engine parts and 20 pounds per hour of oily residue, each.

(3) **One (1)** ~~Two (2)~~ Small Burn-off Ovens, identified as O-3 ~~and O-4~~, installed in ~~2005~~ **2006**, each rated at 0.2 million British thermal units per hour, each equipped with ~~an~~ afterburners rated at 0.2 million British thermal units per hour, individually exhausting to stacks P005-3 ~~and P005-4~~ and venting to atmosphere, capacity; 200 pounds per hour of engine parts and 7 pounds per hour of oily residue, ~~each~~.

(g) Abrasive blasting, ~~dust blow off~~, and grinding, collectively identified as P006.

(1) Two (2) steel shot abrasive blasting facilities, identified as SSB#2 and SSB#8, installed in ~~2005~~ **2006**, each equipped with one (1) of two (2) dust collectors, both exhausting into the building, capacity; ~~48,000 pounds of engine parts per day and 50 pounds of steel shot per day~~ **72,000 pounds of abrasive per hour**, each.

(2) One (1) steel shot abrasive blasting facilities, identified as SSB#1, installed in ~~2005~~ **2006**, equipped with a dust collector, exhausting into the building, capacity; ~~36,000 pounds of engine parts per day and 50 pounds of steel shot per day~~ **72,000 pounds of abrasive per hour**.

~~(3)~~ One (1) steel shot abrasive blasting facilities, identified as SSB#3, installed in 2005, equipped with a dust collector, exhausting into the building, capacity; 3,600 pounds of engine parts per day and 25 pounds of steel shot per day.

- ~~(4)~~ Three (3) steel shot abrasive blasting facilities, identified as SSB#4, SSB#5, and SSB#6, installed in 2005, each equipped with one (1) of three (3) dust collectors, exhausting into the building, capacity; 16,000 pounds of engine parts per day and 20 pounds of steel shot per day, each.
- (3) One (1) steel shot abrasive blasting facility, identified as SSB#4, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 24,000 pounds of abrasive per hour.**
- (4) One (1) steel shot abrasive blasting facility, identified as SSB#5, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 36,000 pounds of abrasive per hour.**
- (5) One (1) steel shot abrasive blasting facility, identified as SSB#7, installed in 2006, equipped with a dust collector, exhausting into the building, capacity; 4,800 pounds of engine parts per day and 20 pounds of steel shot per day 12,000 pounds of abrasive per hour.**
- (6) Six (6) pneumatic glass bead abrasive facilities, identified as GBB#4, GBB#5, GBB#6, GBB#7, GBB#8, and GBB#9, installed in 2006, each equipped with one (1) of six (6) dust collectors, exhausting into the building, capacity; 1,200 pounds of engine parts per day 196.97 pounds of abrasive per hour, each.**
- (7) Three (3) pneumatic glass bead abrasive facilities, identified as GBB#1, GBB#2, and GBB#3, installed in 2006, each equipped with one (1) of three (3) dust collectors, exhausting into the building, capacity; 600 pounds of engine parts per day 196.97 pounds of abrasive per hour, each.**
- ~~(8)~~ One (1) pneumatic abrasive sand blasting facility, identified as SB#1, installed in 2005, equipped with a dust collector, exhausting into the building, capacity; 3,000 pounds of engine parts per day.
- (8) One (1) pneumatic glass bead abrasive facility, identified as GBB#10, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 321.82 pounds of abrasive per hour, each.**
- (9) Two (2) pneumatic glass bead abrasive facilities, identified as GBB#11 and GBB#12, installed in 2006, each equipped with one (1) of two (2) dust collectors, exhausting into the building, capacity; 67.55 pounds of abrasive per hour, each.**
- ~~(9)~~**(10) Two (2) manual plastic bead abrasive blasting facilities, identified as PBB#1 and PBB#2 PBB#6, installed in 2006, each equipped with one (1) of two (2) dust collectors, exhausting into the building, capacity; 720 pounds of engine parts per day 212.12 pounds of abrasive per hour, each.**
- (11) Five (5) manual plastic bead abrasive blasting facilities, identified as PBB#2 through PBB#5 and PBB#7, installed in 2006, each equipped with one (1) of five (5) dust collectors, exhausting into the building, capacity; 128.79 pounds of abrasive per hour, each.**
- ~~(10)~~ One (1) blow-off booth for dust removal, identified as BO#1, installed in 2005, equipped with a dust collector, exhausting into the building, capacity; 84,000 pounds of engine parts per day.

~~(11)~~(12)One (1) grinding booth, identified as RB#1, installed in ~~2005~~ 2006, equipped with a dust collector, exhausting into the building, capacity; 480 pounds of engine parts per day.

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

~~(a)~~ All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either

~~(1)~~ incorporated as originally stated,

~~(2)~~ revised, or

~~(3)~~ deleted

by this permit.

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

**SECTION B** ~~GENERAL CONDITIONS~~

~~B.1~~ ~~Permit No Defense~~ [IC 13]

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

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

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

~~B.3~~ ~~Effective Date of the Permit~~ [IC 13-15-5-3]

~~Pursuant to IC 13-15-5-3, this permit becomes effective upon its issuance.~~

~~B.4~~ ~~Revocation of Permits~~ [326 IAC 2-1.1-9(5)]

~~Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of the approval or if construction is suspended for a continuous period of one (1) year or more.~~

~~B.5~~ ~~Permit Term~~ [326 IAC 2-8-4(2)] [326 IAC 2-1.1-9.5]

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

~~B.6~~ ~~Affidavit of Construction~~ [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4] [326 IAC 2-8]

~~This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 and 326 IAC 2-8 when prior to the start of operation, the following requirements are met:~~

~~(a)~~ The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.

~~(b)~~ If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.

(c) — The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

~~B.7 — Enforceability [326 IAC 2-8-6]~~

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

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

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

~~B.9 — Severability [326 IAC 2-8-4(4)]~~

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

~~B.10 — Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]~~

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

~~B.11 — Duty to Provide Information [326 IAC 2-8-4(5)(E)]~~

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

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

~~B.12 — Compliance Order Issuance [326 IAC 2-8-5(b)]~~

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

~~B.13 — Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]~~

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

~~(b) — One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.~~

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

B.14 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

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

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

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

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

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

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

B.15 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

~~(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:~~

- ~~(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;~~
- ~~(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and~~
- ~~(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.~~

~~If due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:~~

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

~~The PMP extension notification does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~

- ~~(b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.~~
- ~~(c) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- ~~(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.~~

~~B.16 Emergency Provisions [326 IAC 2-8-12]~~

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

~~Telephone No.: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section) or,  
Telephone No.: 317-233-0178 (ask for Compliance Section)  
Facsimile No.: 317-233-6865~~
  - ~~(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:~~~~

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

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

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

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

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

- ~~(6) — The Permittee immediately took all reasonable steps to correct the emergency.~~
- ~~(c) — In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.~~
- ~~(d) — This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.~~
- ~~(e) — IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.~~
- ~~(f) — Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.~~
- ~~(g) — Operations may continue during an emergency only if the following conditions are met:
  - ~~(1) — If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.~~
  - ~~(2) — If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - ~~(A) — The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and~~
    - ~~(B) — Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.~~~~~~

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

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

~~B.17 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]~~

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

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

~~using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does need to be included in this report.~~

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

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

~~B.18 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-] [326 IAC 8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]~~

- (a) ~~All requirements of these conditions shall remain in effect unless modified in a manner consistent with procedures established for revisions pursuant to 326 IAC 2-. This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~

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

~~(1) That this permit contains a material mistake.~~

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

~~(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]~~

- (c) ~~Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]~~

- (d) ~~The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]~~

B.19 — Permit Renewal [326 IAC 2-8-3(h)]

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

~~Request for renewal shall be submitted to:~~

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

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

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

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

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

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

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

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

B.20 — Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

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

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

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

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

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

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

~~B.21 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]~~

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

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

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

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

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

~~Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
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 which document, on a rolling five (5) year basis, all such changes and emissions trading that are subject to 326 IAC 2-8-15(b) through (d) and makes such records available, upon reasonable request, to public review.~~

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

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

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

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

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

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

~~B.22 Permit Revision Requirement [326 IAC 2-8-11.1]~~

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

~~B.23 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-17-3-2] [IC 13-30-3-1]~~

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

- (a) ~~Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;~~
- (b) ~~As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;~~
- (c) ~~As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;~~
- (d) ~~As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and~~
- (e) ~~As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.~~

~~B.24 Transfer of Ownership or Operational Control [326 IAC 2-8-10]~~

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

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

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

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

~~B.25 Annual Fee Payment [326 IAC 2-7-19][326 IAC 2-8-4(6)][326 IAC 2-8-16][326 IAC 2-1.1-7]~~

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

~~B.26 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314][326 IAC 1-1-6]~~

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

**SECTION C SOURCE OPERATION CONDITIONS**

Entire Source

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

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

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

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

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

~~(a) Pursuant to 326 IAC 2-8:~~

- ~~(1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);~~
- ~~(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and~~
- ~~(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty five (25) tons per twelve (12) consecutive month period.~~

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

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

(a) ~~Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.~~

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

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

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

~~C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]~~

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

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

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

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

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

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

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

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

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

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

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

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

(A) ~~Asbestos removal or demolition start date;~~

(B) ~~Removal or demolition contractor; or~~

(C) ~~Waste disposal site.~~

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

~~All required notifications shall be submitted to:~~

~~Indiana Department of Environmental Management~~

~~Asbestos Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2254~~

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

- ~~(e) — Procedures for Asbestos Emission Control  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(e). Per 326 IAC 14-10-1 emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.~~
- ~~(f) — Demolition and renovation  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).~~
- ~~(g) — Indiana Accredited Asbestos Inspector  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.~~

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

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

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

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

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

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

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

### ~~Compliance Requirements [326 IAC 2-1.1-11]~~

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

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

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

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

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

~~Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2254~~

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

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

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

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

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

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

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

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

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

~~C.15 — 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 shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.~~
- (b) — ~~These ERPs shall be submitted for approval to:~~
- ~~Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
  
Indianapolis, Indiana 46204-2251~~
- ~~within 180 days from the date on which this source commences operation).~~
- ~~The ERP does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).~~
- (c) — ~~If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.~~
- (d) — ~~These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.~~
- (e) — ~~Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.~~
- (f) — ~~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.16 — Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]~~

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

~~C.20 — Compliance Response Plan — Preparation, Implementation, Records, and Reports [326 IAC 2-8-4] [326 IAC 2-8-5]~~

- (a) — ~~The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. A CRP shall be submitted to IDEM, OAQ upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and is comprised of:~~
- (1) — ~~Reasonable response steps that may be implemented in the event that a response step is needed pursuant to the requirements of Section D of this permit; and an expected time frame for taking reasonable response steps.~~

- (2) ~~If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.~~
- (b) ~~For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:~~
- (1) ~~Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response; or~~
- (2) ~~If none of the reasonable response steps listed in the Compliance Response Plan is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.~~
- (3) ~~If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be ten (10) days or more until the unit or device will be shut down, then the Permittee shall promptly notify the IDEM, OAQ of the expected date of the shut down. The notification shall also include the status of the applicable compliance monitoring parameter with respect to normal, and the results of the response actions taken up to the time of notification.~~
- (4) ~~Failure to take reasonable response steps shall be considered a deviation from the permit.~~
- (c) ~~The Permittee is not required to take any further response steps for any of the following reasons:~~
- (1) ~~A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.~~
- (2) ~~The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for an administrative amendment to the permit, and such request has not been denied.~~
- (3) ~~An automatic measurement was taken when the process was not operating.~~
- (4) ~~The process has already returned or is returning to operating within "normal" parameters and no response steps are required.~~
- (d) ~~When implementing reasonable steps in response to a compliance monitoring condition, if the Permittee determines that an exceedance of an emission limitation has occurred, the Permittee shall report such deviations pursuant to Section B Deviations from Permit Requirements and Conditions.~~
- (e) ~~The Permittee shall record all instances when response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-8-12 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.~~

- (f) — Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

~~C.21 — Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]~~

- (a) — When the results of a stack test performed in conformance with Section C — Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) — A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) — IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

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

~~C.23 — General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]~~

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

~~C.24 — General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]~~

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

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

- (c) ~~Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.~~
- (d) ~~Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).~~
- (e) ~~The first report covered the period commencing on the date of issuance of the original FESOP and ended on the last day of the reporting period. All subsequent reporting periods shall be 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.26 Compliance with 40 CFR 82 and 326 IAC 22-1**

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

- (a) ~~Persons opening appliances for maintenance, service, repair or disposal must comply with the required practices pursuant to 40 CFR 82.156~~
- (b) ~~Equipment used during the maintenance, service, repair or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.~~
- (c) ~~Persons performing maintenance, service, repair or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.~~

## **SECTION B GENERAL CONDITIONS**

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

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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 Revocation of Permits [326 IAC 2-1.1-9(5)]**

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Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of the approval or if construction is suspended for a continuous period of one (1) year or more.

### **B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4] [326 IAC 2-8]**

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This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 and 326 IAC 2-8 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.

- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

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

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- (a) This permit, F081-20601-00056, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

**B.5 Term of Conditions [326 IAC 2-1.1-9.5]**

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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.6 Enforceability [326 IAC 2-8-6]**

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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.7 Severability [326 IAC 2-8-4(4)]**

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

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

**B.9 Duty to Provide Information [326 IAC 2-8-4(5)(E)]**

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

**B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]**

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

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

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- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

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

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

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

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

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

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

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- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

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

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

**B.14 Emergency Provisions [326 IAC 2-8-12]**

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- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;

- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, 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

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

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

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

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

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

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
  - (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
  - (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.

- (f) **Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.**
  - (g) **Operations may continue during an emergency only if the following conditions are met:**
    - (1) **If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.**
    - (2) **If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:**
      - (A) **The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and**
      - (B) **Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.**
  - (h) **The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.**
- Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.**

**B.15 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

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- (a) **All terms and conditions of permits established prior to F081-20601-00056 and issued pursuant to permitting programs approved into the state implementation plan have been either:**
  - (1) **incorporated as originally stated,**
  - (2) **revised, or**
  - (3) **deleted.**
- (b) **All previous registrations and permits are superseded by this permit.**

**B.16 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]**

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

**B.17 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]**

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

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

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

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

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

**B.18 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]**

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

**B.19 Permit Renewal [326 IAC 2-8-3(h)]**

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

**Request for renewal shall be submitted to:**

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

- (b) A timely renewal application is one that is:**
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and**
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.**
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.**

**B.20 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]**

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- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.**
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:**
- Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251**
- Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).**
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request.  
[326 IAC 2-8-10(b)(3)]**

**B.21 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]**

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:**
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;**
  - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;**

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

(4) The Permittee notifies the:

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

and

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

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

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

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

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

**B.22 Source Modification Requirement [326 IAC 2-8-11.1]**

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

**B.23 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2][IC13-30-3-1]**

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

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

**B.24 Transfer of Ownership or Operational Control [326 IAC 2-8-10]**

---

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

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

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

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

**B.25 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]**

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

- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

**B.26 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]**

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

**SECTION C SOURCE OPERATION CONDITIONS**

Entire Source

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

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

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

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

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also satisfy the requirements of 326 IAC 2-3 (Emission Offset);
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

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

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

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

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

---

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

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

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

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

**C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2(3)]**

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

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

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

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

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

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

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

**(C) Waste disposal site.**

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

All required notifications shall be submitted to:

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

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

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

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

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

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

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

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

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

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

#### Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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

- (a) The Permittee shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

- (b) These ERPs shall be submitted for approval to:

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

within 180 days from the date on which this source commences operation).

The ERP does require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).

- (c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.
- (d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.
- (e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.
- (f) 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.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]**

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

**C.16 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]**

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- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;

- (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
  - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records;
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
  - (1) monitoring data;
  - (2) monitor performance data, if applicable; and
  - (3) corrective actions taken.

**C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]**

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

### **C.18 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]**

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

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:  
  
Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the “authorized individual” as defined by 326 IAC 2-1.1-1(1).
- (e) The first report covered the period commencing on the date of issuance of the original FESOP and ended on the last day of the reporting period. All subsequent reporting periods shall be 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.20 Compliance with 40 CFR 82 and 326 IAC 22-1**

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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.**

~~D.1.1~~ **Particulate Matter (PM) [40 CFR 52, Subpart P]**

Pursuant to 40 CFR 52, Subpart P, the allowable particulate emission rate from PM from the one (1) paint spray booth (PB#1), shall not exceed the pound per hour emission rate established as E in the following formula:

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

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

~~D.1.6~~ **D.1.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-2][326 IAC 8-1-4]**

Compliance with the VOC content limitation contained in Condition ~~D.1.3~~ **D.1.2** shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

~~D.1.7~~ **D.1.6 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 particulate filters, weekly observations shall be made of the overspray from the one (1) paint spray booth stack SPB-1 while the booth is in operation. ~~The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be a deviation of this permit.~~ **If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.**
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. The Compliance Response Plan shall be followed whenever a condition exists which should result in a response step. Failure to take response steps in accordance with Section C - Compliance Monitoring Plan - Failure to Take Response Steps, shall be considered a deviation of this permit.~~ **When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.**
- (c) ~~Additional inspections and preventive measures shall be performed as prescribed in the Preventive Maintenance Plan.~~

**D.1.8D.1.7 Record Keeping Requirements**

- (a) To document compliance with Condition ~~D.1.3~~**D.1.2**, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken as stated below and shall be complete and sufficient to establish compliance with the VOC usage limit established in Condition ~~D.1.3~~**D.1.2**.
- (1) The VOC content of each coating material and solvent used, less water.
  - (2) The amount of coating material and solvent 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 usage for each month; and
  - (5) The weight of the VOCs emitted for each compliance period.
- (b) To document compliance with Condition ~~D.1.7~~**D.1.6**, the Permittee shall maintain a log of weekly overspray observations, daily and monthly inspections, ~~and those additional inspections prescribed by the Preventive Maintenance Plan.~~
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

**SECTION D.2**

**FACILITY OPERATION CONDITIONS**

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

- (c) Cold solvent degreasing, collectively identified as P002.
- (1) ~~Five (5) oscillating cold solvent cleaners, identified as CC 1 – CC 5, installed in 2005, with a maximum capacity of one (1) gallon per day, each.~~  
**Ten (10) agitating cold solvent cleaners, identified as CC-1 – CC-6 and CC-8 – CC-11, installed in 2006, with a maximum capacity of 0.7 gallon per day, each.**
  - (2) ~~Six (6) cold solvent cleaning tanks, identified as CC 6 – CC 11, installed in 2005, with a maximum capacity of 0.4 gallon per day, each.~~  
**One (1) maintenance agitating cold solvent cleaner, identified as CC-7, installed in 2006, with a maximum capacity of 0.5 gallon per day.**
  - (3) ~~Six (6) cold solvent cleaning sinks with remote solvent reservoirs, identified as CC 12 – CC 17, installed in 2005, with a maximum capacity of 0.3 gallon per day, each.~~  
**Three (3) cold solvent cleaning sinks with remote solvent reservoirs, identified as CC12 – CC14, installed in 2006, with a maximum capacity of 0.3 gallon per day, each.**
  - (4) ~~Five (5) agitating cold solvent cleaners, identified as AAC-1 – AAC-5, installed in 2005~~  
**2006, with a maximum capacity of 4.5 0.6 gallon per day, each.**

- ~~(5) One (1) dual stage cold solvent cleaner, identified as DDC-1, installed in 2005, with a maximum capacity of 0.5 gallon per day.~~
- ~~(6) One (1) immersion cold solvent cleaner, identified as ICC-1, installed in 2005, with a maximum capacity of 0.2 gallon per day.~~
- ~~(7) Four (4) calibration fluid cold solvent cleaners, identified as CCC-1 – CCC-4, installed in 2005, with a maximum capacity of 0.5 gallon per day, each.~~
- (5) Eight (8) calibration fluid cold solvent cleaners, identified as CCC-1 – CCC-8, installed in 2006, with a maximum capacity of 1.2 gallon per day, each.**

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

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

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

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

~~D.2.4 Record Keeping Requirements~~

~~(a) The Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be taken monthly and shall be complete and sufficient to establish VOC usage.~~

~~(1) The VOC and HAP content of the degreaser used.~~

~~(2) The amount of VOC used on a daily basis. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.~~

~~(3) The volume weighted VOC and HAP content of the degreaser used for each month; and~~

~~(4) The total VOC and HAP usage for each month.~~

~~(b) These records shall be maintained in accordance with Section C – General Record Keeping Requirements.~~

**SECTION D.3**

**FACILITY OPERATION CONDITIONS**

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

- (d) Natural gas combustion fired combustions sources, collectively identified as P003.
- (1) One (1) air make-up unit, installed in ~~2005~~ **2006**, with a rated capacity of 10.40 million British thermal units per hour
- (2) One (1) Cambridge air make-up unit, installed in ~~2005~~ **2006**, with a rated capacity of 3 million British thermal units per hour.
- (3) Two (2) Thermadeck air make-up units, installed in ~~2005~~ **2006**, with a rated capacity of 5.83 million British thermal units per hour, each.
- (4) Three (3) air curtains, installed in ~~2005~~ **2006**, with a rated capacity of 9.5 million British thermal units per hour, each.
- (5) One (1) office boiler, installed in ~~2005~~ **2006**, with a rated capacity of 0.64 million British thermal units per hour
- (6) Two (2) unit heaters, installed in ~~2005~~ **2006**, with a rated capacity of 0.15 million British thermal units per hour, each.

- (7) One (1) unit heater, installed in ~~2005~~ **2006**, with a rated capacity of 0.06 million British thermal units per hour.
- (8) One (1) break room/ training room furnace, installed in ~~2005~~ **2006**, with a rated capacity of ~~0-25~~ **0.4** million British thermal units per hour.
- ~~(9) One (1) training room furnace, installed in 2005, with a rated capacity of 0.11 million British thermal units per hour.~~
- ~~(10)~~**(9)** One (1) office furnace, installed in ~~2005~~ **2006**, with a rated capacity of ~~0-08~~ **0.06** million British thermal units per hour.
- ~~(11)~~**(10)**~~Eleven~~ **(11)** ~~Four~~ (4) infrared unit heaters, installed in ~~2005~~ **2006**, with a rated capacity of 0.7 million British thermal units per hour, each.
- ~~(12)~~**(11)** Three (3) infrared unit heaters, installed in ~~2005~~ **2006**, with a rated capacity of 0.3 million British thermal units per hour.
- ~~(13) Twenty five (25) space heaters, installed in 2005, with a rated capacity of 0.13 million British thermal units per hour, each.~~
- ~~(14) One (1) head washer, installed in 2005, with a rated capacity of 0.147 million British thermal units per hour.~~
- ~~(15) One (1) two stage conveyorized spray washer, installed in 2005, with a rated capacity of 1.10 million British thermal units per hour.~~
- ~~(16)~~**(12)** Two (2) engine block washers (#1 and #2), installed in ~~2005~~ **2006**, with a rated capacity of 0.225 million British thermal units per hour, each.
- ~~(17)~~**(13)** One (1) Disa Goff hydropulse parts washer, installed in ~~2005~~ **2006**, with a rated capacity of 0.5 million British thermal units per hour.
- ~~(18) One (1) Disa Goff tumble washer, installed in 2005, with a rated capacity of 0.3 million British thermal units per hour.~~
- ~~(19)~~**(14)** One (1) Hotsy spray washer, installed in ~~2005~~ **2006**, with a rated capacity of 0.687 million British thermal units per hour.
- ~~(20) One (1) head washer, installed in 2005, with a rated capacity of 0.2 million British thermal units per hour.~~
- ~~(21) One (1) pass through small parts washer, installed in 2005, with a rated capacity of 0.25 million British thermal units per hour.~~

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

#### D.4.2 Testing Requirements [326 IAC 2-8-1(a)(1),(4)][326 IAC 2-1.1-11]

Within one hundred and eighty (180) days after the initial startup, ~~the Permittee and~~ in order to demonstrate compliance with Condition D.4.1, the Permittee shall perform Nitrogen Oxides (NOx) testing for two (2) of the Diesel Powered Engine Test Cells (E-1 – E-8) utilizing methods as approved by the Commissioner. This test shall be repeated at least once every five (5) years ~~from~~ **from** the date of this valid compliance demonstration in accordance with Section C- Performance Testing.

#### D.4.3 Visible Emissions Notations

- (a) Visible emission notations of the engine test cell stack exhausts shall be performed once per working day during normal daylight operations when exhausted to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

- (e) ~~The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C – Compliance Response Plan – Preparation, Implementation, Records, and Reports, shall be considered a deviation from this permit.~~

**If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.**

-----  
**D.4.5 Reporting Requirements**

A quarterly summary of the information to document compliance with Condition D.4.1 shall be submitted to the address listed in Section C - General Reporting Requirements, 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.5**

**FACILITY OPERATION CONDITIONS**

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

- (f) Natural Gas Fired Burn-off Ovens with Afterburners, collectively identified as P005.
- (1) **Five (5)** ~~Four (4)~~ Large Burn-off Ovens, identified as O-1, O-2, **O-5**, O-10, and O-11, installed in ~~2005~~ **2006**, each rated at 1.2 million British thermal units per hour, each equipped with afterburners rated at 1.2 million British thermal units per hour, individually exhausting to stacks P005-1, P005-2, **P005-5**, P005-10, and P005-11 and venting to atmosphere, capacity; 4,000 pounds per hour of engine parts and 50 pounds per hour of oily residue, each.
  - (2) **Two (2)** ~~Five (5)~~ Medium Burn-off Ovens, identified as ~~O-5 through O-9~~ **O-6 and O-7**, installed in ~~2005~~ **2006**, each rated at 0.35 million British thermal units per hour, each equipped with afterburners rated at 0.35 million British thermal units per hour, individually exhausting to stacks ~~P005-5 through P005-9~~ **P005-6 and P005-7** and venting to atmosphere, capacity; 2,500 pounds per hour of engine parts and 20 pounds per hour of oily residue, each.
  - (3) **One (1)** ~~Two (2)~~ Small Burn-off Ovens, identified as O-3 ~~and O-4~~, installed in ~~2005~~ **2006**, ~~each~~ rated at 0.2 million British thermal units per hour, ~~each~~ equipped with ~~an~~ afterburners rated at 0.2 million British thermal units per hour, ~~individually~~ exhausting to stacks P005-3 ~~and P005-4~~ and venting to atmosphere, capacity; 200 pounds per hour of engine parts and 7 pounds per hour of oily residue, ~~each~~.

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

**D.5.1 Incinerators [326 IAC 4-2-2]**

**Pursuant to 326 IAC 4-2-2 (Incinerators: Requirements), the natural gas fired burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) shall comply with the following:**

- (a) **The incinerator shall comply with the following requirements:**
- (1) **Consist of primary and secondary chambers or the equivalent.**
  - (2) **Be equipped with a primary burner unless burning only wood products.**

- (3) Comply with 326 IAC 5-1 and 326 IAC 2.**
  - (4) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan as specified in paragraph (c) of this condition.**
  - (5) Not emit particulate matter in excess of five-tenths (0.5) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air.**
  - (6) If any of the requirements of (1) through (5) are not met, then the Permittee shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.**
- (b) A Permittee developing an operation and maintenance plan pursuant to paragraph (a)(4) of this condition must comply with the following:**
- (1) The operation and maintenance plan must be designed to meet the particulate matter emission limitation specified in paragraph (a)(5) of this condition and include the following:**
    - (A) Procedures for receiving, handling, and charging waste.**
    - (B) Procedures for incinerator startup and shutdown.**
    - (C) Procedures for responding to a malfunction.**
    - (D) Procedures for maintaining proper combustion air supply levels.**
    - (E) Procedures for operating the incinerator and associated air pollution control systems.**
    - (F) Procedures for handling ash.**
    - (G) A list of wastes that can be burned in the incinerator.**
  - (2) Each incinerator operator shall review the plan before initial implementation of the operation and maintenance plan and annually thereafter.**
  - (3) The operation and maintenance plan must be readily accessible to incinerator operators.**
  - (4) The Permittee shall notify the department, in writing, thirty (30) days after the operation and maintenance plan is initially developed pursuant to this section.**
- (c) The Permittee shall make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.**

#### **D.5.2 Carbon monoxide Emission Limits [326 IAC 9-1-2]**

Pursuant to 326 IAC 9-1-2(a)(3), the Permittee shall not operate burn-off ovens (O-1, O-2, O-3, O-5, O-6, O-7, O-10 and O-11) unless the waste gas stream is burned in one (1) of the following:

- (a) Direct-flame afterburner.**

(b) **Secondary chamber.**

**SECTION D.6 FACILITY OPERATION CONDITIONS**

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

- (g) Abrasive blasting, ~~dust blow-off~~, and grinding, collectively identified as P006, as follows:
- (1) Two (2) steel shot abrasive blasting facilities, identified as SSB#2 and SSB#8, installed in ~~2005~~ **2006**, each equipped with one (1) of two (2) dust collectors, both exhausting into the building, capacity; ~~48,000 pounds of engine parts per day and 50 pounds of steel shot per day~~ **72,000 pounds of abrasive per hour**, each.
  - (2) One (1) steel shot abrasive blasting facilities, identified as SSB#1, installed in ~~2005~~ **2006**, equipped with a dust collector, exhausting into the building, capacity; ~~36,000 pounds of engine parts per day and 50 pounds of steel shot per day~~ **72,000 pounds of abrasive per hour**.
  - ~~(3) One (1) steel shot abrasive blasting facilities, identified as SSB#3, installed in 2005, equipped with a dust collector, exhausting into the building, capacity; 3,600 pounds of engine parts per day and 25 pounds of steel shot per day.~~
  - ~~(4) Three (3) steel shot abrasive blasting facilities, identified as SSB#4, SSB#5, and SSB#6, installed in 2005, each equipped with one (1) of three (3) dust collectors, exhausting into the building, capacity; 16,000 pounds of engine parts per day and 20 pounds of steel shot per day, each.~~
  - (3) One (1) steel shot abrasive blasting facility, identified as SSB#4, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 24,000 pounds of abrasive per hour.**
  - (4) One (1) steel shot abrasive blasting facility, identified as SSB#5, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 36,000 pounds of abrasive per hour.**
  - (5) One (1) steel shot abrasive blasting facility, identified as SSB#7, installed in ~~2005~~ **2006**, equipped with a dust collector, exhausting into the building, capacity; ~~4,800 pounds of engine parts per day and 20 pounds of steel shot per day~~ **12,000 pounds of abrasive per hour**.
  - (6) Six (6) pneumatic glass bead abrasive facilities, identified as GBB#4, GBB#5, GBB#6, GBB#7, GBB#8, and GBB#9, installed in ~~2005~~ **2006**, each equipped with one (1) of six (6) dust collectors, exhausting into the building, capacity; ~~1,200 pounds of engine parts per day~~ **196.97 pounds of abrasive per hour**, each.
  - (7) Three (3) pneumatic glass bead abrasive facilities, identified as GBB#1, GBB#2, and GBB#3, installed in ~~2005~~ **2006**, each equipped with one (1) of three (3) dust collectors, exhausting into the building, capacity; ~~600 pounds of engine parts per day~~ **196.97 pounds of abrasive per hour**, each.
  - ~~(8) One (1) pneumatic abrasive sand blasting facility, identified as SB#1, installed in 2005, equipped with a dust collector, exhausting into the building, capacity; 3,000 pounds of engine parts per day.~~
  - (8) One (1) pneumatic glass bead abrasive facility, identified as GBB#10, installed in 2006, equipped with one (1) dust collector, exhausting into the building, capacity; 321.82 pounds of abrasive per hour, each.**
  - (9) Two (2) pneumatic glass bead abrasive facilities, identified as GBB#11 and GBB#12, installed in 2006, each equipped with one (1) of two (2) dust collectors, exhausting into the building, capacity; 67.55 pounds of abrasive per hour, each.**
  - ~~(9)~~**(10) Two (2) manual plastic bead abrasive blasting facilities, identified as PBB#1 and PBB#2 PBB#6, installed in 2005 2006, each equipped with one (1) of two (2) dust collectors, exhausting into the building, capacity; 720 pounds of engine parts per day 212.12 pounds of abrasive per hour, each.**
  - (11) Five (5) manual plastic bead abrasive blasting facilities, identified as PBB#2 through PBB#5 and PBB#7, installed in 2006, each equipped with one (1) of five (5) dust collectors, exhausting into the building, capacity; 128.79 pounds of abrasive per hour, each.**
  - ~~(10) One (1) blow-off booth for dust removal, identified as BO#1, installed in 2005, equipped with a dust collector, exhausting into the building, capacity; 84,000 pounds of engine parts per day.~~

~~(11)~~**(12)** One (1) grinding booth, identified as RB#1, installed in ~~2005~~ **2006**, equipped with a dust collector, exhausting into the building, capacity; 480 pounds of engine parts per day.

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

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

**D.6.1 FESOP Minor Limit Particulate Matter (PM10) [326 IAC 2-8]**

Pursuant to 326 IAC 2-8 the source will limit source wide PM10 emissions to below 100 tons per year by limiting the pound per hour emissions of the controlled units. The controlled units shall be limited as follows:

Unit	PM10 Limit Per Unit (lb/hr)
SSB#7	0.68
SSB#4, SSB#5, <del>SSB#6</del>	0.80
SSB#2	1.83
<del>SSB#3</del>	<del>1.37</del>
SSB#1, SSB#8	1.60
GBB#1, GBB#2, GBB#3	0.02
<del>SB#1</del>	<del>0.09</del>
GBB#4, GBB#5, GBB#6, GBB#7, GBB#8, GBB#9,	<del>0.04</del> <b>0.03</b>
<b>GBB#10, GBB#11, GBB#12</b>	<b>0.04</b>
PBB#1, PBB#2	0.02
<b>PBB#3, PBB#4, PBB#5, PBB#6, PBB#7</b>	<b>0.04</b>
Total:	<del>9.73</del> <b>7.91</b>

**D.6.2 Particulate Matter (PM) [326 IAC 6-3-2]**

Pursuant to, 326 IAC 6-3-2 (~~Process Operations~~ **Particulate Emission Limitations for Manufacturing Processes**) the particulate emissions from abrasive blasting, ~~dust blow-off~~, and grinding (P006) shall not exceed the pound per hour emission rate established as E in the following formula:

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

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

The emissions rate E has been established for the units as follows:

Units	Process Weight Rate per unit (tons/hour)	PM Emission Limit per unit (lbs/hr)
SSB#2, SSB#8	1	4.10
SSB#1	0.75	3.38
<del>SSB#3</del>	<del>0.075</del>	<del>0.72</del>
SSB#4, SSB#5, <del>SSB#6</del>	0.33	1.95
SSB#7	0.1	0.88
GBB#4, GBB#5, GBB#6, GBB#7, GBB#8, GBB#9	0.025	0.35
GBB#1, GBB#2, GBB#3	0.0125	0.22
<b>GBB#10, GBB#11, GBB#12</b>	<b>0.025</b>	<b>0.35</b>
<del>SB#1</del>	<del>0.0625</del>	<del>0.64</del>
PBB#1, PBB#2	0.36	2.07
<b>PBB#3, PBB#4, PBB#5, PBB#6, PBB#7</b>	<b>0.015</b>	<b>0.246</b>

Units	Process Weight Rate per unit (tons/hour)	PM Emission Limit per unit (lbs/hr)
BO#1	4.75	5.97
RB#1	0.01	0.19
	Total	32.73 25.73

**D.6.3 Particulate Control**

- (a) In order to comply with Conditions D.6.4 and D.6.5, particulate from abrasive blasting, ~~dust blow-off~~ and grinding manufacturing processes shall be controlled by dust collectors and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) **In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.**

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**D.6.5 Visible Emissions Notations**

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

**If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.**

**D.6.6 Parametric Monitoring**

The Permittee shall record the ~~total static~~ pressure drop across the dust collectors controlling the abrasive blasting, ~~dust blow-off~~, and grinding operations (SSB#1, **SSB#2, SSB#4, SSB#5, SSB#7 and SSB#8, SB#1, GGB#1 - GGB#9 GBB#1 - GBB#12, and PPB#1 - PPB#2 PBB#1 - PBB#7**), once per day when venting to the outside atmosphere. When for any one reading, the pressure drop across the dust collector is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, ~~the Permittee shall take reasonable response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records, and Reports.~~ A pressure reading that is outside the above mentioned

~~range is not a deviation from this permit. Failure to take response steps in accordance with Section C—Compliance Response Plan—Preparation, Implementation, Records, and Reports, shall be considered a deviation of this permit. the Permittee shall take reasonable response steps in accordance with Section C- Response to Excursions or Exceedances. A pressure reading that is outside the above mentioned range is not a deviation from this permit.~~

**Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.**

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

~~D.6.7~~ Dust Collector Inspections

~~An inspection shall be performed each calendar quarter of all filters controlling the shot blasting operations when venting to the atmosphere. A dust collector inspection shall be performed within three months of redirecting vents to the atmosphere and every three months thereafter. Inspections are optional when venting to the indoors. All defective bags shall be replaced.~~

~~D.6.8~~**D.6.7** Dust Collector Failure Detection

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~~In the event that a dust collector failure has been observed:~~

- ~~(a) — The affected compartments will be shut down immediately until the failed units have been repaired or replaced. Within eight (8) hours of the determination of failure, response steps according to the timetable described in the Compliance Response Plan shall be initiated. For any failure with corresponding response steps and timetable not described in the Compliance Response Plan, response steps shall be devised within eight (8) hours of discovery of the failure and shall include a timetable for completion. 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 single compartment dust collectors, failed units and the associated process will be shut down immediately until the failed units have been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B—Emergency Provisions).~~
- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).**
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).**

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

#### **D.6.9D.6.8 Record Keeping Requirements**

- (a) To document compliance with Condition D.6.5, the Permittee shall maintain records of the daily visible emission notations of the shot blast stacks exhaust on days when the shot blasters are exhausting to the outside atmosphere.
- (b) To document compliance with Condition D.6.6, the Permittee shall maintain records of the ~~total static~~ pressure drop across the dust collectors controlling the abrasive blasting, dust blow-off, and grinding operations (SSB#1, **SSB#2, SSB#4, SSB#5, SSB#7 and SSB#8, SB#1, GGB#1 - GGB#9 GBB#1 - GBB#12, and PPB#1 - PPB#2 PBB#1 - PBB#7**), on days when the shot blasters are exhausting to the outside atmosphere.
- ~~(c) To document compliance with Condition D.6.7, the Permittee shall maintain records of the results of the inspections required under Condition D.6.7 and the dates the vents are redirected.~~
- ~~(d)~~(c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### **SECTION D.7 FACILITY OPERATION CONDITIONS**

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

- ~~(h) Welding Operations, collectively known as P007, installed in 2005, with a maximum capacity of 250 pounds of electrode per day, total, and exhausting to a stack identified as GPV 1.~~

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

There are no specific regulations applicable to this facility.

#### **SECTION D.8 INSIGNIFICANT ACTIVITIES**

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

- ~~(a) Combustion related activities, including the following:
  - ~~(1) Propane or Liquefied petroleum gas, or butane fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour.~~
  - ~~(2) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu/hr, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu/hr.~~
  - ~~(3) Combustion source flame safety purging on startup.~~~~
- ~~(b) Fuel dispensing activities, including the following:
  - ~~(1) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity of less than or equal to 10,500 gallons.~~
  - ~~(2) A diesel fuel dispensing facility, having a storage capacity less than or equal to (10,000) gallons, and dispensing (3,500) gallons per day or less as follows:
    - ~~(A) One (1) fixed roof cone tank, identified as T1 Diesel, installed in 2005, with a storage capacity of 500 gallons, and a maximum annual throughput of 6,000 gallons.~~
    - ~~(B) One (1) fixed roof cone tank, identified as T2 Diesel, installed in 2005, with a storage capacity of 2,000 gallon, and a maximum annual throughput of 250,000 gallons.~~~~~~
- ~~(c) The following VOC and HAP storage containers:
  - ~~(1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs equal to or less than 12,000 gallons.~~
  - ~~(2) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.~~~~
- ~~(d) Equipment used exclusively for the following: filling drums, pails, or other packaging containers with lubricating oils, waxes, and greases.~~
- ~~(e) Machining where an aqueous cutting coolant continuously floods the machining interface.~~

- ~~(f) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.~~
- ~~(g) Cleaners and solvents characterized as follows:
  - ~~(1) having a vapor pressure equal to or less than 2 kiloPascals; 15mm Hg; or 0.3 psi measured at 38 degrees Centigrade (100 degrees Fahrenheit); or~~
  - ~~(2) having a vapor pressure equal to or less than 0.7 kiloPascals; 5mm Hg; or 0.1 psi measured at 20 degrees Centigrade (68 degrees Fahrenheit);~~the use of which, for all cleaners and solvents combined, does not exceed 145 gallons per 12 months.~~
- ~~(h) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches soldering equipment, welding equipment.~~
- ~~(i) Closed loop heating and cooling systems.~~
- ~~(j) Infrared cure equipment.~~
- ~~(k) Solvent recycling systems with batch capacity less than or equal to 100 gallons.~~
- ~~(l) Water based activities, including the following:
  - ~~(1) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.~~
  - ~~(2) Activities associated with the transportation and treatment of sanitary sewage, provided the discharge to the treatment plant is under the control of the owner or operator, that is, an on-site sewage treatment facility.~~
  - ~~(3) Any operation using aqueous solutions containing less than 1% VOCs by weight of VOCs excluding HAPs. (3) Any operation using aqueous solutions containing less than 1% VOCs by weight of VOCs excluding HAPs. (4) Water based adhesives that are less than or equal to 5% by volume of VOCs excluding HAPs.~~
  - ~~(4) Water based adhesives that are less than or equal to 5% by volume of VOCs excluding HAPs.~~
  - ~~(5) Non-contact cooling tower systems with either of the following:
    - ~~(A) Natural draft cooling towers not regulated under a NESHAP.~~
    - ~~(B) Forced and induced draft cooling tower systems not regulated under a NESHAP.~~~~
  - ~~(6) Quenching operations used with heat treating processes~~Oil, grease, or VOC content shall be determined by a test method acceptable to the department and the U.S. EPA.~~
- ~~(m) Repair activities, including the following:
  - ~~(1) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.~~
  - ~~(2) Heat exchanger cleaning and repair.~~~~
- ~~(n) Trimmers that do not produce fugitive emissions and that are equipped with a dust collector or trim material recovery device such as a bag filter or cyclone.~~
- ~~(o) Paved and unpaved roads and parking lots with public access.~~
- ~~(p) Routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process, including the following: purging of gas lines.~~
- ~~(q) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.~~
- ~~(r) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.~~
- ~~(s) Onsite fire and emergency response training approved by the department.~~
- ~~(t) Emergency generators as follows:
  - ~~(1) Gasoline generators not exceeding 110 horsepower.~~
  - ~~(2) Diesel generators not exceeding 1,600 horsepower.~~~~
- ~~(u) Other emergency equipment as follows: Stationary fire pumps.~~
- ~~(v) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 100 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking.~~
- ~~(w) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kilopascals measured at 39 degrees Centigrade).~~
- ~~(x) A laboratory as defined in 326 IAC 2-7-1(21)(D).~~

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

~~There are no specific regulations applicable to this facility~~

**Conclusion**

The operation of this diesel engine remanufacturing plant shall be subject to the conditions of the attached proposed Significant Permit Revision No. 081-23906-00056.

## Appendix A: Emission Calculations

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit No.:** SPR081-23906-00056  
**Reviewer:** AB/EVP

### Uncontrolled Potential Emissions (tons/year)

Emissions Generating Activity									
Pollutant	Natural Gas Heaters and Washers (P003)	Burn-Off Oven w/ Afterburner (P005)	Abrasive Blasting (P006)	Cold Cleaning Degreasers (P002)	Engine Test Cells (P004)	Misc. Plant-wide (P001)	Welding (P007)	Surface Coating (PB#1)	TOTAL
PM	0.54	4.53	5,187.24	0.00	0.00	0.00	0.84	26.50	5,219.65
PM10	2.17	4.53	4,434.44	0.00	10.60	0.00	0.84	26.50	4,479.08
SO2	0.17	0.04	0.00	0.00	9.88	0.00	0.00	0.00	10.09
NOx	28.58	6.04	0.00	0.00	116.50	0.00	0.00	0.00	151.12
VOC	1.57	0.33	0.00	23.55	9.55	27.01	0.00	11.80	73.81
CO	24.01	5.08	0.00	0.00	32.18	0.00	0.00	0.00	61.27
total HAPs	0.54	0.00	0.00	0.00	0.49	2.45	0.00	9.77	13.25
worst case single HAP	0.51	0.00	0.00	0.00	0.05	0.30	0.00	9.77	10.63
Total emissions based on rated capacity at 8,760 hours/year.									

### Controlled Potential Emissions (tons/year)

Emissions Generating Activity									
Pollutant	Natural Gas Heaters and Washers (P003)	Burn-Off Oven w/ Afterburner (P005)	Abrasive Blasting (P006)	Cold Cleaning Degreasers (P002)	Engine Test Cells (P004)	Misc. Plant-wide (P001)	Welding (P007)	Surface Coating (PB#1)	TOTAL
PM	0.54	4.53	16.55	0.00	0.00	0.00	0.84	0.53	22.99
PM10	2.17	4.53	13.97	0.00	5.37	0.00	0.84	0.53	27.41
SO2	0.17	0.04	0.00	0.00	5.02	0.00	0.00	0.00	5.23
NOx	28.58	6.04	0.00	0.00	59.60	0.00	0.00	0.00	94.22
VOC	1.57	0.33	0.00	23.55	6.24	27.01	0.00	11.80	70.50
CO	24.01	5.08	0.00	0.00	16.46	0.00	0.00	0.00	45.55
total HAPs	0.54	0.00	0.00	0.00	0.49	2.45	0.00	9.77	13.25
worst case single HAP	0.51	0.00	0.00	0.00	0.05	0.30	0.00	9.77	9.77
Total emissions based on rated capacity at 8,760 hours/year, after control.									

## Appendix A: Emission Calculations

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit No.:** SPR081-23906-00056  
**Reviewer:** AB/EVP

### Uncontrolled Potential Emissions (tons/year)

Emissions Generating Activity									
Pollutant	Natural Gas Heaters and Washers (P003)	Burn-Off Oven w/ Afterburner (P005)	Abrasive Blasting (P006)	Cold Cleaning Degreasers (P002)	Engine Test Cells (P004)	Misc. Plant-wide (P001)	Welding (P007)	Surface Coating (PB#1)	TOTAL
PM	0.54	4.53	5,187.24	0.00	0.00	0.00	0.84	26.50	5,219.65
PM10	2.17	4.53	4,434.44	0.00	10.60	0.00	0.84	26.50	4,479.08
SO2	0.17	0.04	0.00	0.00	9.88	0.00	0.00	0.00	10.09
NOx	28.58	6.04	0.00	0.00	116.50	0.00	0.00	0.00	151.12
VOC	1.57	0.33	0.00	23.55	9.55	27.01	0.00	11.80	73.81
CO	24.01	5.08	0.00	0.00	32.18	0.00	0.00	0.00	61.27
total HAPs	0.54	0.00	0.00	0.00	0.49	2.45	0.00	9.77	13.25
worst case single HAP	0.51	0.00	0.00	0.00	0.05	0.30	0.00	9.77	10.63
Total emissions based on rated capacity at 8,760 hours/year.									

### Controlled Potential Emissions (tons/year)

Emissions Generating Activity									
Pollutant	Natural Gas Heaters and Washers (P003)	Burn-Off Oven w/ Afterburner (P005)	Abrasive Blasting (P006)	Cold Cleaning Degreasers (P002)	Engine Test Cells (P004)	Misc. Plant-wide (P001)	Welding (P007)	Surface Coating (PB#1)	TOTAL
PM	0.54	4.53	16.55	0.00	0.00	0.00	0.84	0.53	22.99
PM10	2.17	4.53	13.97	0.00	5.37	0.00	0.84	0.53	27.41
SO2	0.17	0.04	0.00	0.00	5.02	0.00	0.00	0.00	5.23
NOx	28.58	6.04	0.00	0.00	59.60	0.00	0.00	0.00	94.22
VOC	1.57	0.33	0.00	23.55	6.24	27.01	0.00	11.80	70.50
CO	24.01	5.08	0.00	0.00	16.46	0.00	0.00	0.00	45.55
total HAPs	0.54	0.00	0.00	0.00	0.49	2.45	0.00	9.77	13.25
worst case single HAP	0.51	0.00	0.00	0.00	0.05	0.30	0.00	9.77	9.77
Total emissions based on rated capacity at 8,760 hours/year, after control.									

**Appendix A: Emission Calculations**

**Abrasive Blasting - Confined**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

GBB#1 - GBB#3

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Table 2 - Density of Abrasives (lb/ft3)**

Abrasive	Density (lb/ft3)
Al oxides	160
Sand	99
Steel	487

**Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)**

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

**Calculations**

*Adjusting Flow Rates for Different Abrasives and Nozzle Diameters*

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)  
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =  
 D = Density of abrasive (lb/ft3) From Table 2 =  
 D1 = Density of sand (lb/ft3) =  
 ID = Actual nozzle internal diameter (in) =  
 ID1 = Nozzle internal diameter (in) from Table 3 =

195
100
99
0.25
0.25

**Flow Rate (FR) (lb/hr) = 196.970 per nozzle**

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM/ lb abrasive) From Table 1 =  
 FR = Flow Rate (lb/hr) =  
 w = fraction of time of wet blasting =  
 N = number of nozzles =

0.010
196.970
0 %
1

	PM	PM10
<b>Uncontrolled Emissions =</b>	<b>1.97 lb/hr</b>	<b>1.38</b>
	<b>8.63 ton/yr</b>	<b>6.04</b>
<b>Controlled Emissions =</b>	<b>0.02 lb/hr</b>	<b>0.01</b>
	<b>0.09 ton/yr</b>	<b>0.06</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)2 x (D/D1)

E = EF x FR x (1-w/200) x N

w should be entered in as a whole number (if w is 50%, enter 50)

**Appendix A: Emission Calculations**

**Abrasive Blasting - Confined**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

GBB#4 - GBB#9

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Table 2 - Density of Abrasives (lb/ft3)**

Abrasive	Density (lb/ft3)
Al oxides	160
Sand	99
Steel	487

**Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)**

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

**Calculations**

*Adjusting Flow Rates for Different Abrasives and Nozzle Diameters*

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)  
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =  
 D = Density of abrasive (lb/ft3) From Table 2 =  
 D1 = Density of sand (lb/ft3) =  
 ID = Actual nozzle internal diameter (in) =  
 ID1 = Nozzle internal diameter (in) from Table 3 =

195
100
99
0.25
0.25

**Flow Rate (FR) (lb/hr) = 196.970 per nozzle**

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM/ lb abrasive) From Table 1 =  
 FR = Flow Rate (lb/hr) =  
 w = fraction of time of wet blasting =  
 N = number of nozzles =

0.010
196.970
0 %
1

	PM	PM10
<b>Uncontrolled Emissions =</b>	<b>1.97 lb/hr</b>	<b>1.38</b>
	<b>8.63 ton/yr</b>	<b>6.04</b>
<b>Controlled Emissions =</b>	<b>0.02 lb/hr</b>	<b>0.01</b>
	<b>0.09 ton/yr</b>	<b>0.06</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)<sup>2</sup> x (D/D1)

E = EF x FR x (1-w/200) x N

w should be entered in as a whole number (if w is 50%, enter 50)

**Appendix A: Emission Calculations**

**Abrasive Blasting - Confined**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

GBB#10

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Table 2 - Density of Abrasives (lb/ft3)**

Abrasive	Density (lb/ft3)
Al oxides	160
Sand	99
Steel	487

**Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)**

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

**Calculations**

*Adjusting Flow Rates for Different Abrasives and Nozzle Diameters*

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)  
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =  
 D = Density of abrasive (lb/ft3) From Table 2 =  
 D1 = Density of sand (lb/ft3) =  
 ID = Actual nozzle internal diameter (in) =  
 ID1 = Nozzle internal diameter (in) from Table 3 =

354
90
99
0.3125
0.3125

**Flow Rate (FR) (lb/hr) = 321.818 per nozzle**

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM / lb abrasive) From Table 1 =  
 FR = Flow Rate (lb/hr) =  
 w = fraction of time of wet blasting =  
 N = number of nozzles =

0.010
321.818
0 %
1

	PM	PM10
<b>Uncontrolled Emissions =</b>	<b>3.22 lb/hr</b>	<b>2.25</b>
	<b>14.10 ton/yr</b>	<b>9.87</b>
<b>Controlled Emissions =</b>	<b>0.03 lb/hr</b>	<b>0.02</b>
	<b>0.14 ton/yr</b>	<b>0.10</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)<sup>2</sup> x (D/D1)

E = EF x FR x (1-w/200) x N

w should be entered in as a whole number (if w is 50%, enter 50)

**Appendix A: Emission Calculations**

**Abrasive Blasting - Confined**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

GBB #11 - GBB#12

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Table 2 - Density of Abrasives (lb/ft3)**

Abrasive	Density (lb/ft3)
Al oxides	160
Sand	99
Steel	487

**Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)**

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

**Calculations**

*Adjusting Flow Rates for Different Abrasives and Nozzle Diameters*

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)  
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =  
 D = Density of abrasive (lb/ft3) From Table 2 =  
 D1 = Density of sand (lb/ft3) =  
 ID = Actual nozzle internal diameter (in) =  
 ID1 = Nozzle internal diameter (in) from Table 3 =

107
90
99
0.15625
0.1875

**Flow Rate (FR) (lb/hr) = 67.551 per nozzle**

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM/ lb abrasive) From Table 1 =  
 FR = Flow Rate (lb/hr) =  
 w = fraction of time of wet blasting =  
 N = number of nozzles =

0.010
67.551
0 %
1

	PM	PM10
<b>Uncontrolled Emissions =</b>	<b>0.68 lb/hr</b>	<b>0.47</b>
	<b>2.96 ton/yr</b>	<b>2.07</b>
<b>Controlled Emissions =</b>	<b>0.01 lb/hr</b>	<b>0.00</b>
	<b>0.03 ton/yr</b>	<b>0.02</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)<sup>2</sup> x (D/D1)

E = EF x FR x (1-w/200) x N

w should be entered in as a whole number (if w is 50%, enter 50)

**Appendix A: Emission Calculations**

**Abrasive Blasting - Confined**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

PBB #1 & PBB# 6

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Table 2 - Density of Abrasives (lb/ft3)**

Abrasive	Density (lb/ft3)
Al oxides	160
Sand	99
Steel	487

**Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)**

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

**Calculations**

*Adjusting Flow Rates for Different Abrasives and Nozzle Diameters*

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)  
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =  
 D = Density of abrasive (lb/ft3) From Table 2 =  
 D1 = Density of sand (lb/ft3) =  
 ID = Actual nozzle internal diameter (in) =  
 ID1 = Nozzle internal diameter (in) from Table 3 =

420
50
99
0.3125
0.3125

**Flow Rate (FR) (lb/hr) = 212.121 per nozzle**

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM/ lb abrasive) From Table 1 =  
 FR = Flow Rate (lb/hr) =  
 w = fraction of time of wet blasting =  
 N = number of nozzles =

0.010
212.121
0 %
1

	PM	PM10
<b>Uncontrolled Emissions =</b>	<b>2.12 lb/hr</b>	<b>1.48</b>
	<b>9.29 ton/yr</b>	<b>6.50</b>
<b>Controlled Emissions =</b>	<b>0.02 lb/hr</b>	<b>0.01</b>
	<b>0.09 ton/yr</b>	<b>0.07</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)<sup>2</sup> x (D/D1)

E = EF x FR x (1-w/200) x N

w should be entered in as a whole number (if w is 50%, enter 50)

**Appendix A: Emission Calculations**

**Abrasive Blasting - Confined**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

PBB #2 - PBB#5 & PBB#7

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Table 2 - Density of Abrasives (lb/ft3)**

Abrasive	Density (lb/ft3)
Al oxides	160
Sand	99
Steel	487

**Table 3 - Sand Flow Rate (FR1) Through Nozzle (lb/hr)**

Flow rate of Sand Through a Blasting Nozzle as a Function of Nozzle pressure and Internal Diameter

Internal diameter, in	Nozzle Pressure (psig)							
	30	40	50	60	70	80	90	100
1/8	28	35	42	49	55	63	70	77
3/16	65	80	94	107	122	135	149	165
1/4	109	138	168	195	221	255	280	309
5/16	205	247	292	354	377	420	462	507
3/8	285	355	417	477	540	600	657	720
7/16	385	472	560	645	755	820	905	940
1/2	503	615	725	835	945	1050	1160	1265
5/8	820	990	1170	1336	1510	1680	1850	2030
3/4	1140	1420	1670	1915	2160	2400	2630	2880
1	2030	2460	2900	3340	3780	4200	4640	5060

**Calculations**

*Adjusting Flow Rates for Different Abrasives and Nozzle Diameters*

Flow Rate (FR) = Abrasive flow rate (lb/hr) with internal nozzle diameter (ID)  
 FR1 = Sand flow rate (lb/hr) with internal nozzle diameter (ID1) From Table 3 =  
 D = Density of abrasive (lb/ft3) From Table 2 =  
 D1 = Density of sand (lb/ft3) =  
 ID = Actual nozzle internal diameter (in) =  
 ID1 = Nozzle internal diameter (in) from Table 3 =

255
50
99
0.25
0.25

**Flow Rate (FR) (lb/hr) = 128.788 per nozzle**

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM/ lb abrasive) From Table 1 =  
 FR = Flow Rate (lb/hr) =  
 w = fraction of time of wet blasting =  
 N = number of nozzles =

0.010
128.788
0 %
1

	PM	PM10
<b>Uncontrolled Emissions =</b>	<b>1.29 lb/hr</b>	<b>0.90</b>
	<b>5.64 ton/yr</b>	<b>3.95</b>
<b>Controlled Emissions =</b>	<b>0.01 lb/hr</b>	<b>0.01</b>
	<b>0.06 ton/yr</b>	<b>0.04</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

Flow Rate (FR) (lb/hr) = FR1 x (ID/ID1)² x (D/D1)

E = EF x FR x (1-w/200) x N

w should be entered in as a whole number (if w is 50%, enter 50)

**Appendix A: Emission Calculations**

**Abrasive Blasting - Confined**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

SSB1, SSB2, SSB8

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Design Abrasive Throw Rate for Mechanical Blaster**

Abrasive Throw Rate:	1800	lb/min
	5	minutes/cycle
	8	cycles/hr
	72000	lb/hr

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM/ lb abrasive) From Table 1 =  
 FR = Abrasive Flow Rate (lb/hr) =

0.004
72000

<b>Uncontrolled PM Emissions =</b>	<b>288.00 lb/hr</b>
	<b>1261.44 ton/yr</b>
<b>Uncontrolled PM10 Emissions =</b>	<b>247.68 lb/hr</b>
	<b>1084.84 ton/yr</b>
<b>Controlled PM Emissions =</b>	<b>0.86 lb/hr</b>
	<b>3.78 ton/yr</b>
<b>Controlled PM10 Emissions =</b>	<b>0.74 lb/hr</b>
	<b>3.25 ton/yr</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)  
 Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs  
 E = EF x FR

**Appendix A: Emission Calculations**  
**Abrasive Blasting - Confined - Mechanical Blasting**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

SSB4

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Design Abrasive Throw Rate for Mechanical Blaster**

Abrasive Throw Rate:	600	lb/min
	10	minutes/cycle
	4	cycles/hr
	24000	lb/hr

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM/ lb abrasive) From Table 1 =

0.004

FR = Abrasive Flow Rate (lb/hr) =

24000

<b>Uncontrolled PM Emissions =</b>	<b>96.00 lb/hr</b>
	<b>420.48 ton/yr</b>
<b>Uncontrolled PM10 Emissions</b>	<b>82.56 lb/hr</b>
	<b>361.61 ton/yr</b>
<b>Controlled PM Emissions =</b>	<b>0.29 lb/hr</b>
	<b>1.26 ton/yr</b>
<b>Controlled PM10 Emissions =</b>	<b>0.25 lb/hr</b>
	<b>1.08 ton/yr</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

E = EF x FR

**Appendix A: Emission Calculations**

**Abrasive Blasting - Confined**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

SSB5

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Design Abrasive Throw Rate for Mechanical Blaster**

Abrasive Throw Rate:	900	lb/min
	10	minutes/cycle
	4	cycles/hr
	36000	lb/hr

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM/ lb abrasive) From Table 1 =

0.004
36000

FR = Abrasive Flow Rate (lb/hr) =

<b>Uncontrolled PM Emissions =</b>	<b>144.00 lb/hr</b>
	<b>630.72 ton/yr</b>
<b>Uncontrolled PM10 Emissions</b>	<b>123.84 lb/hr</b>
	<b>542.42 ton/yr</b>
<b>Controlled PM Emissions =</b>	<b>0.43 lb/hr</b>
	<b>1.89 ton/yr</b>
<b>Controlled PM10 Emissions =</b>	<b>0.37 lb/hr</b>
	<b>1.63 ton/yr</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)

Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs

E = EF x FR

**Appendix A: Emission Calculations**

**Abrasive Blasting - Confined**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

SSB7

**Table 1 - Emission Factors for Abrasives**

Abrasive	Emission Factor	
	lb PM / lb abrasive	lb PM10 / lb PM
Sand	0.041	0.70
Grit	0.010	0.70
Steel Shot	0.004	0.86
Other	0.010	

**Design Abrasive Throw Rate for Mechanical Blaster**

Abrasive Throw Rate:	300	lb/min
	10	minutes/cycle
	4	cycles/hr
	12000	lb/hr

**Uncontrolled Emissions (E, lb/hr)**

EF = emission factor (lb PM/ lb abrasive) From Table 1 =  
 FR = Abrasive Flow Rate (lb/hr) =

0.004
12000

<b>Uncontrolled PM Emissions =</b>	<b>48.00 lb/hr</b>
	<b>210.24 ton/yr</b>
<b>Uncontrolled PM10 Emissions =</b>	<b>41.28 lb/hr</b>
	<b>180.81 ton/yr</b>
<b>Controlled PM Emissions =</b>	<b>0.14 lb/hr</b>
	<b>0.63 ton/yr</b>
<b>Controlled PM10 Emissions =</b>	<b>0.12 lb/hr</b>
	<b>0.54 ton/yr</b>

**METHODOLOGY**

Emission Factors from STAPPA/ALAPCO "Air Quality Permits", Vol. I, Section 3 "Abrasive Blasting" (1991 edition)  
 Ton/yr = lb/hr X 8760 hr/yr X ton/2000 lbs  
 E = EF x FR

**Appendix A: Emissions Calculations**  
**Cold Cleaning Degreasers, Emission Unit P002**  
**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

Unit ID	Unit Description	Product Manufacturer	Number of Cold Cleaner Degreaser Units	Usage Per Degreaser (gal/day)	Product VOC (lb/gal)	VOC Emissions (tpy)
CC-1 - CC-5	Agitating Cold Solvent Washer	Safety Kleen Premium Solvent	5	0.70	7.00	4.47
CC-6, CC-8 - CC-11	Agitating Cold Solvent Washer	Safety Kleen Premium Solvent	5	0.70	7.00	4.47
CC-12 - CC-14	Cold Solvent Wash Sink	Safety Kleen Premium Solvent	3	0.30	7.00	1.15
ACC1 - ACC5	Agitating Cold Solvent Washer	Safety Kleen Premium Solvent	5	0.60	7.00	3.83
CC-7	Agitating Cold Solvent Washer	Safety Kleen Premium Solvent	1	0.50	7.00	0.64
CCC-1 - CCC-8	Calibrating Fluid Cold Solvent Washer	Calibrating Fluid Wash	8	1.20	5.13	8.99
<b>Totals:</b>						<b>23.55</b>

**METHODOLOGY**

Potential VOC Tons per Year = No. of Degreaser Units \* Usage per Degreaser (gals/day) \* Density of Product (lb/gal) \* (365 days/yr) \* (1 ton / 2000 lbs)

**Appendix A: Emission Calculations  
Natural Gas Combustion Only  
MMBTU/HR >100  
Burn-Off Ovens (P005)**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

Description	Total Input Rating (MMBtu/hr)
Five (5) 1.2 MMBtu/hr Burn-Off Oven w/ 1.2 MMBtu/hr Afterburner	12
One (1) 0.2 MMBtu/hr Burn-Off Oven w/ 0.2 MMBtu/hr Afterburner	0.4
Two (2) 0.35 MMBtu/hr Burn-Off Oven w/ 0.35 MMBtu/hr Afterburner	1.4
<b>Total</b>	<b>13.8</b>

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
13.8	120.9

Emission Factor in lb/MMCF	Pollutant					
	PM *	PM10 *	SO2	NOx	VOC	CO
75.0	75.0	0.6	100.0	5.5	84.0	
Potential Emission in tons/yr	4.53330	4.53330	0.03627	6.04440	0.33244	5.07730

**Methodology**

\* PM and PM10 emissions factors are from oven manufacturer.

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu  
 Emission Factors from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-01-006-01, 1-01-006-04  
 (AP-42 Supplement D 3/98)

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

**Appendix A: Emissions Calculations  
 Natural Gas Combustion Only  
 MM BTU/HR <100  
 Boiler, Heaters and Washers**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

Description	Total Input (MMBtu/hr)
One (1) Air Make-Up Unit	10.4
One (1) Cambridge Air Make-Up Unit	3
Two (2) Thermadeck Air Make-Up Unit	11.66
Three (3) Air Curtains	28.5
One (1) Office Boiler	0.64
Two (2) Unit Heaters	0.3
One (1) Heater	0.06
One (1) Break Room/ Training Room Furnace	0.4
One (1) Office Furnace	0.06
Fourteen (14) Infrared Heaters	8.6
Four (4) Washers	1.637
<b>Total</b>	<b>65.257</b>

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
65.3	571.7

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.54	2.17	0.17	28.58	1.57	24.01

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

**Methodology**

All emission factors are based on normal firing.  
 MMBtu = 1,000,000 Btu  
 MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu  
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)  
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton  
 See next page for HAPs emissions calculations.

**Appendix A: Emissions Calculations**  
**Natural Gas Combustion Only**  
**MM BTU/HR <100**  
**Boiler, Heaters and Washers**  
**HAPs Emissions**

**Company Name:** Franklin Power Products/ International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, IN 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** AB/EVP

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	6.002E-04	3.430E-04	2.144E-02	5.145E-01	9.718E-04

HAPs - Metals					
Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03
Potential Emission in tons/yr	1.429E-04	3.144E-04	4.002E-04	1.086E-04	6.002E-04

Methodology is the same as previous page.

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

**Appendix A: Emission Calculations  
Diesel Gas Fired Internal Combustion Engines  
Emissions**

**Company Name:** Franklin Power Products / International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, Indiana 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** Alic Bent/EVP

**Source: P004**

Dyno	Heat Input (MMBtu/hr)	Rating (Hp)
E-1 to E-8 combined	7.700	1100

Pollutant Emissions Uncontrolled					
Pollutant	PM10	SO2	CO	<sup>1)</sup> NOx - assume 22% reduction	TOC
Emission Factor (lb/hp-hr)	2.20E-03	2.05E-03	6.68E-03	3.10E-02	2.54E-03
Emissions (lbs/hr)	2.42	2.26	7.35	26.60	2.18
<b>Total Potential Emission (tpy) (E-1 to E-8)</b>	<b>10.60</b>	<b>9.88</b>	<b>32.18</b>	<b>116.50</b>	<b>9.55</b>

Pollutant Emissions (Fuel Limitation)				
Pollutant	PM10	SO2	CO	TOC
Emission Factor (lb/mmbtu)	0.31	0.29	0.95	0.36
Annual Fuel consumption (gal): 252,920				
Heat Capacity of Fuel (btu/gal): 137,000				
<b>Limited Potential Emission (tpy) (E-1 to E-8)</b>	<b>5.37</b>	<b>5.02</b>	<b>16.46</b>	<b>6.24</b>

Pollutant	NOx
Emission Factor (lb/gal diesel fuel)	0.47
Annual Fuel consumption (gal): 252,920	
<b>Limited Potential Emissions (tpy) (E-1 to E-8)</b>	<b>59.60</b>

Rating calculated as follows: (8 dynos) (1 engine/cell) (275 hp-hr/engine) (1/2 hour per test)  
 Heat Input (MMBtu/hr) per engine per 1/2 duty cycle \* 8 engines

**Methodology**

Emission Factors from AP-42, Chapter 3.3, Table 3.3-1, (Fifth Ed. 1996)  
 Particulate matter emissions are assumed to be in the form of PM10.

Potential Emissions Uncontrolled (lbs/hr) = Emission Factor \* Rating (hp)

Potential Emissions Controlled (Fuel Limitation) (tpy) = Emission Factor (lb/mmbtu) \* Annual Fuel Consumption (gal/yr) \* (Heat Capacity of Fuel (btu/gal) \* 1mm btu/1,000,000btu) / 2000 (lbs/tons)

Potential Emission Nox (22% reduction)

Maximum Fuel Rate per Dyno (gal/hr) = Heat input per cell (MMBtu/hr) \* 1/ Heat Capacity of diesel fuel (MMBtu/gal)  
 = 0.963 MMBtu/hr \* 1/0.137 MMBtu/gal = 7.03 gal/hr per Dyno  
 3.44 lb NOx/MMBtu conversion to an Emission factor in terms of lb NOx/gal diesel fuel  
 = 3.44 lb NOx/MMBtu \* 0.137 MMBtu/gal diesel fuel = 0.47 lb NOx/gal diesel fuel

<sup>1)</sup> NOx emission factor was reduced by a factor of 22% to reflect inherently lower emission potential of turbocharged diesel engines. The engines being tested are designed to meet or exceed 1987 EPA national vehicle emission standards of 0.024 lb NOx/hp-hr or 3.44 lb NOx/MMBtu.

**Appendix A: Emission Calculations  
Diesel Gas Fired Internal Combustion Engines  
Emissions**

**Company Name:** Franklin Power Products / International Fuel Systems  
**Address City IN Zip:** 751 International Drive, Franklin, Indiana 46131  
**Permit Number:** SPR081-23906-00056  
**Reviewer:** Alic Bent/EVP

Unit	Specific Heat Capacity of Diesel Fuel (Btu/gal)	Annual Fuel Limitation (gal/yr)
E-1 to E-8	137000	252920

HAPs Emissions - Uncontrolled		
Pollutant	Emission Factor (lbs/MMBtu)	Emissions (tpy)
1,3-Butadiene	3.91E-05	6.77E-04
Acetaldehyde	7.67E-04	1.33E-02
Acrolein	9.25E-05	1.60E-03
Benzene	9.33E-04	1.62E-02
Formaldehyde	1.18E-03	2.04E-02
PAH	1.68E-04	2.91E-03
Propylene	2.58E-03	4.47E-02
Toluene	4.09E-04	7.09E-03
Xylene	2.85E-04	4.94E-03
<b>Total HAP Emissions</b>		<b>0.49 (tpy)</b>

**Methodology**

Emission Factors are from AP-42, Chapter 3.3, Table 3.3-2, (Fifth Ed. 1996)

Potential Emissions (tpy) = Emission Factor (lb/mmbtu) \* Annual Fuel Consumption (gal/yr) \* Heat Capacity of Fuel (btu/gal) /1,000,000 / 2000