



DATE: January 28, 2007  
TO: Interested Parties / Applicant  
RE: GM Powertrain Engineering / 097-25029-00280  
FROM: Timothy J. Method  
Environmental Coordinator, DPW

## 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, Suite N 501E, Indianapolis, IN 46204, **within fifteen (15) calendar days of the receipt 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 Indianapolis Office of Environmental Services, Air Permits at (317) 327-2234.

Enclosures



Air Quality Hotline: 317-327-4AIR | [knozone.com](http://knozone.com)

Department of Public Works  
Office of Environmental Services

2700 Belmont Avenue  
Indianapolis, IN 46221

317-327-2234  
Fax 327-2274  
TDD 327-5186

[indygov.org/dpw](http://indygov.org/dpw)



January 28, 2008

Mr. Charles Knuckles  
General Motors Powertrain Engineering  
7601 East 88th Place, Bldg #2  
Indianapolis, Indiana 46256

CERTIFIED MAIL 7007 0220 0002 7444 43375

Re: **097-25029-00280**  
Second Significant Permit Revision to:  
FESOP No.: **F097-15452-00280**

Dear Mr. Knuckles:

General Motors Powertrain Engineering was issued a FESOP (Federally Enforceable State Operating Permit) No. F097-15452-00280 on March 15, 2004 for a stationary research and development of automotive transmissions and electric motors source, located at 7601 East 88th Street, Indianapolis, Indiana. An application to modify the permit was received on July 11, 2007. Pursuant to 326 IAC 2-8-11.1, a significant permit revision to this permit is hereby approved as described in the Technical Support Document.

This revision consists of the addition of five (5) new engine and engine transmission test cells with combustion of diesel, gasoline and kerosene fuels, one (1) diesel fuel fired 60 HP emergency generator, one (1) fuel tank in Building 1, and eight (8) natural gas air heaters in Buildings 1, 2, and 4.

Emission unit descriptions were updated (in conditions A.2 and A.3). Total fuel consumption at the test cells was changed to less than 233,766 gallons of gasoline and gasoline equivalents and to less than 295,761 of diesel fuel, kerosene, and diesel fuel equivalents per twelve (12) consecutive month period, with compliance determined at the end of each month. Additionally, permit sections B (General Conditions) and C (Source Operating Conditions) were updated to further address and clarify the permit terms and the terms of the conditions.

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) and the City of Indianapolis Office of Environmental Services (OES).
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.



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works  
Office of Environmental Services

2700 Belmont Avenue  
Indianapolis, IN 46221

317-327-2234  
Fax 327-2274  
TDD 327-5186  
indygov.org/dpw

4. Pursuant to 326 IAC 2-1.1-9, 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.

All other conditions of the permit shall remain unchanged and in effect. Please find attached a copy of the revised 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 Mr. Boris Gorlin, Indianapolis Office of Environmental Services, 2700 South Belmont, Indianapolis, Indiana, 46221, or call (317) 327-2280.

Sincerely,

*Original signed by:*  
Timothy J. Method  
Environmental Coordinator  
DPW

Attachments: Significant Permit Revision  
Technical Support Document  
TSD Appendix A

BG

cc: Files  
Marion County Health Department  
Matt Mosier – OES Air Compliance Section  
Mindy Hahn – IDEM, OAQ



**New Source Construction and  
Federally Enforceable State Operating Permit**

**OFFICE OF AIR QUALITY  
AND OFFICE OF ENVIRONMENTAL SERVICES**

**General Motors Powertrain Engineering  
7601 East 88th Street  
Indianapolis, Indiana 46256**

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 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 certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-8-11.1, applicable to those conditions.

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.

Operation Permit No.: F097-15452-00280	
Issued by: Original signed by John B. Chavez, Administrator City of Indianapolis Office of Environmental Services	Issuance Date: March 15, 2004  Expiration Date: March 15, 2009
1st Administrative Amendment No.: F097-19090-00280	Issuance Date: September 8, 2004
1st Significant Permit Revision: 097-19957-00280	Issuance Date: October 21, 2005
2nd Administrative Amendment No.: AA097-22503-00280	Issuance Date: April 3, 2006
2nd Significant Permit Revision No.: F097-25029-00280	
Issued by:  <i>Original signed by:</i> Timothy J. Method Environmental Coordinator, DPW	Issuance Date: January 28, 2008  Expiration Date: March 15, 2009



## TABLE OF CONTENTS

<b>A. SOURCE SUMMARY .....</b>	<b>4</b>
A.1 General Information [326 IAC 2-8-3(b)]	
A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]	
A.3 Insignificant Activities [326 IAC 2-7-1(21)][326 IAC 2-8-3(c)(3)(l)]	
<b>B. GENERAL CONDITIONS .....</b>	<b>6</b>
B.1 Definitions [326 IAC 2-8-1]	
B.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]	
B.3 Term of Conditions [326 IAC 2-1.1-9.5]	
B.4 Enforceability [326 IAC 2-8-6]	
B.5 Severability [326 IAC 2-8-4(4)]	
B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]	
B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]	
B.8 Certification [326 IAC 2-8-3(d)][326 IAC 2-8-4(3)(C)(i)][326 IAC 2-8-5(1)]	
B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]	
B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]	
B.11 Preventive Maintenance Plan [326 IAC 1-6-3][326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]	
B.12 Emergency Provisions [326 IAC 2-8-12]	
B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]	
B.14 Termination of Right to Operate [326 IAC 2-8-9][326 IAC 2-8-3(h)]	
B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]	
B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)][326 IAC 2-8-7(a)][326 IAC 2-8-8]	
B.17 Permit Renewal [326 IAC 2-8-3(h)]	
B.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]	
B.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]	
B.20 Source Modification Requirement [326 IAC 2-8-11.1]	
B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][IC 13-17-3-2] [IC 13-30-3-1]	
B.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]	
B.23 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]	
B.24 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]	
B.25 Credible Evidence [326 IAC 2-8-4(3)][326 IAC 2-8-5][62 FR 8314] [326 IAC 1-1-6]	
<b>C. SOURCE OPERATION CONDITIONS.....</b>	<b>16</b>
<b>Emission Limitations and Standards [326 IAC 2-8-4(1)]</b>	
C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]	
C.2 Overall Source Limit [326 IAC 2-8]	
C.3 Opacity [326 IAC 5-1]	
C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]	
C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]	
C.6 Fugitive Dust Emissions [326 IAC 6-4]	
C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]	
<b>Testing Requirements [326 IAC 2-8-4(3)]</b>	
C.8 Performance Testing [326 IAC 3-6]	
<b>Compliance Requirements [326 IAC 2-1.1-11]</b>	
C.9 Compliance Requirements [326 IAC 2-1.1-11]	

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

- C.10 Compliance Monitoring [326 IAC 2-8-4(3)][326 IAC 2-8-5(a)(1)]
- C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]
- C.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)]  
[326 IAC 2-8-5(1)]

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

- C.13 Emergency Reduction Plan [326 IAC 1-5-2] [326 IAC 1-5-3]
- C.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]
- C.15 Response to Excursions and Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]
- C.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4]  
[326 IAC 2-8-5]

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

- C.17 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]
- C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]

**Stratospheric Ozone Protection**

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

**D.1. EMISSIONS UNIT OPERATION CONDITIONS..... 23**

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

- D.1.1 Preventive Maintenance Plan [326 IAC 2-8-4(9)]
- D.1.2 Oxides of Nitrogen (NOx) - Diesel and Kerosene Fuel Usage [326 IAC 2-8-4(1)] [326 IAC 2-2]  
[326 IAC 2-3]
- D.1.3 Carbon Monoxide (CO) - Gasoline Fuel Usage [326 IAC 2-8-4] [326 IAC 2-2]

**Compliance Determination Requirements**

- D.1.4 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

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

- D.1.5 Record Keeping Requirements
- D.1.6 Reporting Requirements

**D.2. EMISSIONS UNIT OPERATION CONDITIONS..... 25**

**D.3. EMISSIONS UNIT OPERATION CONDITIONS..... 26**

**New Source Performance Standards (NSPS) Requirements [40 CFR 60, Subpart A, and Subpart IIII] [326 IAC 12]**

- D.3.1 General Provisions Relating to New Source Performance Standards [40 CFR 60, Subpart IIII]  
[326 IAC 12-1]
- D.3.2 General Provisions Relating to New Source Performance Standards [40 CFR 80, Subpart I] [326 IAC  
12-1]

**Certification Form..... 34**

**Emergency Occurrence Form ..... 35**

**Quarterly Report Form ..... 37**

**Quarterly Report Form ..... 38**

**Quarterly Deviation and Compliance Monitoring Report Form ..... 39**

## SECTION A SOURCE SUMMARY

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

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

---

The Permittee owns and operates a stationary operation of research and development for automotive transmissions and electric motors.

Source Address:	7601 East 88th Street, Indianapolis, Indiana 46256
Mailing Address:	340 White River Parkway West Drive S, Indianapolis, IN 46222
General Source Phone Number:	317-269-5628
SIC Code:	8734
County Location:	Marion
Source Location Status:	Nonattainment for PM 2.5 standard Attainment for all other criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD, Emission Offset, and Nonattainment New Source Review Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

---

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

- (a) Two (2) transmission test cells, located in Building 2, identified as Cell MG20A and Cell MG20B, with maximum engines capacity of 500 HP, installed in 2001, burning diesel, gasoline, and kerosene fuels, using no control and exhausting to stacks A and B, respectively.
- (b) Five (5) transmission test cells, located in Building 1, identified as Cells TCF1 to TCF5, with maximum engines capacity of 500 HP, receiving approval to construct in 2007, burning diesel, gasoline, and kerosene fuels, using no control, and exhausting to stacks 1 to 5, respectively.
- (c) Three (3) above ground diesel storage tanks, identified as Tanks 1, 2, and 3, installed in 2001, each with a maximum capacity of one thousand (1,000) gallons.
- (d) One (1) above ground diesel storage tank, identified as Tank 4, installed in 2001, with a maximum capacity of five hundred (500) gallons.
- (e) One (1) above ground gasoline storage tank, identified as Tank 5, installed in 2005, with a maximum capacity of two thousand (2,000) gallons.
- (f) One (1) fuel tank at Building 1, identified as Tank 6, consisting of one (1) single unit having three (3) separate compartments for liquid fuel. The total fuel capacity of the Tank 6 is 8,000 gallons. One compartment has capacity of 4,000 gallons and the other two compartments have capacity of 2,000 gallons each.
- (g) One (1) 60 horsepower diesel fuel fired emergency generator, identified as Generator 1, receiving approval to construct in 2008.

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

This stationary source also includes the following insignificant activities:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour, including eight (8) natural gas air heaters in Buildings 1, 2, and 4, each with maximum input capacity of less than 10 MMBtu/hr and total heat input capacity of 14.3 MMBtu/hr, receiving approval to construct in 2008.
- (b) A petroleum fuel, other than gasoline, dispensing facility having a storage capacity less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month.
- (c) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (d) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 236 IAC 20-6.
- (e) Cleaners and solvent characterized as follows:
  - (1) having a vapor pressure equal to or less than 2 kPa; 15 mmHg; or 0.3 psi measured at 38° C (100° F) or;
  - (2) having a vapor pressure equal to or less than 0.7 kPa; 5 mmHg; or 0.1 psi measured at 20° F (68° F);the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.
- (f) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment.
- (g) Noncontact cooling towers with natural draft cooling towers not regulated under a NESHAP.
- (h) Replacement or repair of electrostatic precipitators, bags in baghouses, and filters in other air filtration equipment.
- (i) Paved and unpaved roads and parking lots with public access.
- (j) 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.
- (k) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (l) Emergency generators not exceeding 110 horsepower, including one (1) gasoline fired emergency generator with capacity of 6.8 horsepower, constructed in 2004, identified as Generator 1, and one (1) diesel fuel fired emergency generator with capacity of 60 horsepower, identified as Generator 2, receiving approval to construct in 2008.
- (m) A laboratory as defined in 326 IAC 2-7-1(20)(C).
- (n) A varnish impregnation Line, which includes an electric curing oven.

## **SECTION B GENERAL CONDITIONS**

### **B.1 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.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]**

- (a) This permit, F097-15452-00280, 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.3 Term of Conditions [326 IAC 2-1.1-9.5]**

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

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

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

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

### **B.5 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.6 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.7 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 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.8 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.9 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 no later than April 15 of each year to:

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

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

- (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.10 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.11 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  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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.12 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that 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  
Office of Environmental Services phone: (317) 327-2234; fax: (317) 327-2274

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

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

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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

- (a) All terms and conditions of permits established prior to F097-25029-00280 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.14** 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.15** Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]

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

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

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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

---

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a 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.17 Permit Renewal [326 IAC 2-8-3(h)]**

---

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained

in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by 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  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

- (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.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- and
- Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221
- 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.19 Operational Flexibility [326 IAC 2-8-15][326 IAC 2-8-11.1]

- (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  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
and  
  
Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221  
  
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.20 Source Modification Requirement [326 IAC 2-8-11.1]**

---

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

**B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][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.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]**

---

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

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

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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.23 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.24 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]**

---

- (a) The requirements to obtain a permit modification under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.
- (b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.

**B.25 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

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

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

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

#### C.2 Overall Source Limit [326 IAC 2-8] [326 IAC 2-2] [326 IAC 2-3]

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

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-3 (Emission Offset) not applicable.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) 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 thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.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]

---

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

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

---

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

All required notifications shall be submitted to:

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

and

Indianapolis Office of Environmental Services  
Air Enforcement  
2700 South Belmont Ave.  
Indianapolis, IN 46221

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.8 Performance Testing [326 IAC 3-6]**

---

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

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

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "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 an "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 and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and OES 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.9 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.10 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) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221

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

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

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

### **C.11 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.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]**

---

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

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

#### **C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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

- (a) The Permittee prepared and submitted an updated written emergency reduction plan (ERP) consistent with safe operating procedures on September 17, 2007.
- (b) Upon direct notification by IDEM, OAQ and OES 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.14 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.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]**

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

(3) corrective actions taken.

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

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

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

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

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

- (a) Records of all required 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 or OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

**C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

- (a) The 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221

- (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, and OES 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

### **Stratospheric Ozone Protection**

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

---

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

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

## SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) Two (2) transmission test cells, located in Building 2, identified as Cell MG20A and Cell MG20B, with maximum engines capacity of 500 HP, installed in 2001, burning diesel, gasoline, and kerosene fuels, using no control and exhausting to stacks A and B, respectively.
- (b) Five (5) transmission test cells, with maximum engines capacity of 500 HP, located in Building 1, identified as Cell TCF1 to Cell TCF5, receiving approval to construct in 2007, burning diesel, gasoline, and kerosene fuels, using no control, and exhausting to stacks 1 to 5, respectively.

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

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

#### D.1.2 Oxides of Nitrogen (NO<sub>x</sub>) - Diesel and Kerosene Fuel Usage [326 IAC 2-8-4(1)] [326 IAC 2-2]

- (a) NO<sub>x</sub> emissions from the seven (7) transmission test cells, identified as Cell MG20A, Cell MG20B, and Cells TCF1 to TCF5 shall not exceed 0.6086 pounds per gallon of diesel fuel.
- (b) Pursuant to 326 IAC 2-8-4(1) (FESOP permit content), the combined diesel and diesel equivalents usage for the seven (7) transmission test cells, identified as Cell MG20A, Cell MG20B, and Cells TCF1 to TCF5 shall be less than 295,761 gallons per twelve (12) consecutive month period, with compliance demonstrated at the end of each month. For purposes of determining compliance with this NO<sub>x</sub> emission limit, one (1) gallon of kerosene is equivalent to one (1) gallon of diesel fuel, and one (1) gallon of gasoline is equivalent to 0.7723 gallons of diesel fuel.

Compliance with Conditions D.1.2(a) and D.1.2(b), combined with the potential to emit NO<sub>x</sub> from other emission units at the source, shall limit the NO<sub>x</sub> emissions from the entire source to less than one hundred (100) tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 will not apply.

#### D.1.3 Carbon Monoxide (CO) - Gasoline Fuel Usage [326 IAC 2-8-4] [326 IAC 2-2]

- (a) CO emissions from the seven (7) transmission test cells, identified as Cell MG20A, Cell MG20B, and Cell TCF1 to Cell TCF5 shall not exceed 0.770 pounds per gallon of gasoline.
- (b) Pursuant to 326 IAC 2-8-4(1) (FESOP permit content), the gasoline and gasoline equivalents usage for the seven (7) transmission test cells, identified as Cell MG20A, Cell MG20B, and Cells TCF1 to TCF5 shall be less than 233,766 gallons per twelve (12) consecutive month period, with compliance demonstrated at the end of each month. For purposes of determining compliance with this CO emission limit, one (1) gallon of diesel or kerosene is equivalent to 0.1703 gallon of gasoline fuel.

Compliance with Conditions D.1.3(a) and D.1.3(b), combined with the potential to emit CO from other emission units at the source, shall limit the CO emissions from the entire source to less than one hundred (100) tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 will not apply.

## Compliance Determination Requirements

### D.1.4 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

---

In order to determine compliance with condition D.1.3(a) for transmission test cells EU ID # Cell MG20A, Cell MG20B, Cells TCF1 to TCF5, and condition D.1.3(b) gasoline to diesel fuel equivalency factor when using gasoline engines with capacity of more than 350 HP, the Permittee shall perform stack testing for CO emissions on one of transmission test cells, utilizing methods approved by IDEM, OAQ and OES, as follows:

- (a) within 180 days after starting operation of a gasoline engine with capacity equal to or greater than 400 HP but less than 450 HP;
- (b) within 180 days after starting operation of a gasoline engine with capacity equal to or greater than 450 HP but less than 500 HP;
- (c) within 180 days after starting operation of a gasoline engine with capacity of 500 HP.

Testing shall be conducted in accordance with Section C - Performance Testing.

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

### D.1.5 Record Keeping Requirements

---

- (a) To document compliance with Conditions D.1.2 and D.1.3, the Permittee shall maintain records of monthly fuel and fuel equivalents usage.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping.

### D.1.6 Reporting Requirements

---

A quarterly summary of the information to document compliance with Conditions D.1.2 and D.1.3 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the authorized individual as defined by 326 IAC 2-1.1-1(1).

**SECTION D.2**

**FACILITY OPERATION CONDITIONS**

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

- (c) Three (3) above ground diesel storage tanks, identified as 1, 2, and 3, installed in 2001, each with a maximum capacity of one thousand (1,000) gallons.
- (d) One (1) above ground diesel storage tank, identified as 4, installed in 2001, with a maximum capacity of five hundred (500) gallons.
- (e) One (1) above ground gasoline storage tank, identified as 5 installed in 2005, with a maximum capacity of two thousand (2,000) gallons.
- (f) one (1) above ground diesel fuel storage tank, identified as 6, receiving approval to construct in 2007, with a maximum capacity of 2,000 gallons, and one (1) gasoline fuel storage tank, identified as 7, receiving approval to construct in 2007, with a maximum capacity of 6,000 gallons.

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

There are no applicable conditions for these facilities.

## SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

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

- (I) Emergency generators not exceeding 110 horsepower, including one (1) gasoline fired emergency generator with capacity of 6.8 horsepower, constructed in 2004, identified as Generator 1, and one (1) diesel fuel fired emergency generator with capacity of 60 horsepower, identified as Generator 2, receiving approval to construct in 2008.

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

### New Source Performance Standards (NSPS) Requirements [40 CFR 60, Subpart A, and Subpart IIII] [326 IAC 12]

#### D.3.1 General Provisions Relating to New Source Performance Standards [40 CFR 60, Subpart IIII] [326 IAC 12-1]

- (a) Pursuant to New Source Performance Standards (NSPS) provisions of 40 CFR 60, Subpart IIII, (40 CFR 60.4200 - 4209), Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, the source shall comply with the provisions of this subpart for the emergency generator, identified as Generator 2, as follows:

#### ***Subpart IIII—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines***

Source: 71 FR 39172, July 11, 2006, unless otherwise noted.

#### ***What This Subpart Covers***

##### ***§ 60.4200 Am I subject to this subpart?***

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (3) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005 where the stationary CI ICE are:

- (i) Manufactured after April 1, 2006 and are not fire pump engines, or
- (ii) Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.
- (3) Owners and operators of stationary CI ICE that modify or reconstruct their stationary CI ICE after July 11, 2005.

(b) The provisions of this subpart are not applicable to stationary CI ICE being tested at a stationary CI ICE test cell/stand.

##### ***§ 60.4205 What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?***

(a) Owners and operators of pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder that are not fire pump engines must comply with the emission standards in table 1 to this subpart. Owners and operators of pre-2007 model year non-emergency stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards in 40 CFR 94.8(a)(1).

(b) Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI

engines in §60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

(c) Owners and operators of fire pump engines with a displacement of less than 30 liters per cylinder must comply with the emission standards in table 4 to this subpart, for all pollutants.

(1) Reduce NO<sub>x</sub> emissions by 90 percent or more, or limit the emissions of NO<sub>x</sub> in the stationary CI internal combustion engine exhaust to 1.6 grams per KW-hour (1.2 grams per HP-hour).

(2) Reduce PM emissions by 60 percent or more, or limit the emissions of PM in the stationary CI internal combustion engine exhaust to 0.15 g/KW-hr (0.11 g/HP-hr).

**§ 60.4206 How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in §§60.4204 and 60.4205 according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

**Fuel Requirements for Owners and Operators**

**§ 60.4207 What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

(a) Beginning October 1, 2007, owners and operators of stationary CI ICE subject to this subpart that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(a).

(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

(c) Owners and operators of pre-2011 model year stationary CI ICE subject to this subpart may petition the Administrator for approval to use remaining non-compliant fuel that does not meet the fuel requirements of paragraphs (a) and (b) of this section beyond the dates required for the purpose of using up existing fuel inventories. If approved, the petition will be valid for a period of up to 6 months. If additional time is needed, the owner or operator is required to submit a new petition to the Administrator.

**Other Requirements for Owners and Operators**

**§ 60.4208 What is the deadline for importing or installing stationary CI ICE produced in the previous model year?**

(a) After December 31, 2008, owners and operators may not install stationary CI ICE (excluding fire pump engines) that do not meet the applicable requirements for 2007 model year engines.

(b) After December 31, 2009, owners and operators may not install stationary CI ICE with a maximum engine power of less than 19 KW (25 HP) (excluding fire pump engines) that do not meet the applicable requirements for 2008 model year engines.

(c) After December 31, 2014, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 19 KW (25 HP) and less than 56 KW (75 HP) that do not meet the applicable requirements for 2013 model year non-emergency engines.

(d) After December 31, 2013, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 56 KW (75 HP) and less than 130 KW (175 HP) that do not meet the applicable requirements for 2012 model year non-emergency engines.

(e) After December 31, 2012, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 130 KW (175 HP), including those above 560 KW (750 HP), that do not meet the applicable requirements for 2011 model year non-emergency engines.

(f) After December 31, 2016, owners and operators may not install non-emergency stationary CI ICE with a maximum engine power of greater than or equal to 560 KW (750 HP) that do not meet the applicable requirements for 2015 model year non-emergency engines.

(g) In addition to the requirements specified in §§60.4201, 60.4202, 60.4204, and 60.4205, it is prohibited to import stationary CI ICE with a displacement of less than 30 liters per cylinder that do not meet the applicable requirements specified in paragraphs (a) through (f) of this section after the dates specified in paragraphs (a) through (f) of this section.

(h) The requirements of this section do not apply to owners or operators of stationary CI ICE that have been modified, reconstructed, and do not apply to engines that were removed from one existing location and reinstalled at a new location.

**§ 60.4209 What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If you are an owner or operator, you must meet the monitoring requirements of this section. In addition, you must also meet the monitoring requirements specified in §60.4211.

(a) If you are an owner or operator of an emergency stationary CI internal combustion engine, you must install a non-resettable hour meter prior to startup of the engine.

(b) If you are an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in §60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached.

**Compliance Requirements**

**§ 60.4211 What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. You must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) If you are an owner or operator of a pre-2007 model year stationary CI internal combustion engine and must comply with the emission standards specified in §§60.4204(a) or 60.4205(a), or if you are an owner or operator of a CI fire pump engine that is manufactured prior to the model years in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) through (5) of this section.

(1) Purchasing an engine certified according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications.

(2) Keeping records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in this subpart and these methods must have been followed correctly.

(3) Keeping records of engine manufacturer data indicating compliance with the standards.

(4) Keeping records of control device vendor data indicating compliance with the standards.

(5) Conducting an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in §60.4212, as applicable.

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's specifications.

(e) Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year. For owners and operators of emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited.

### **Testing Requirements for Owners and Operators**

#### **§ 60.4212 What test methods and other procedures must I use if I am an owner or operator of a stationary CI internal combustion engine with a displacement of less than 30 liters per cylinder?**

Owners and operators of stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests pursuant to this subpart must do so according to paragraphs (a) through (d) of this section.

(a) The performance test must be conducted according to the in-use testing procedures in 40 CFR part 1039, subpart F.

(b) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR part 1039 must not exceed the not-to-exceed (NTE) standards for the same model year and maximum engine power as required in 40 CFR 1039.101(e) and 40 CFR 1039.102(g)(1), except as specified in 40 CFR 1039.104(d). This requirement starts when NTE requirements take effect for nonroad diesel engines under 40 CFR part 1039.

(c) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8, as applicable, must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 89.112 or 40 CFR 94.8, as applicable, determined from the following equation:

$$\text{NTE requirement for each pollutant} = (1.25) \times (\text{STD}) \quad (\text{Eq. 1})$$

Where:

STD = The standard specified for that pollutant in 40 CFR 89.112 or 40 CFR 94.8, as applicable.

Alternatively, stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8 may follow the testing procedures specified in §60.4213 of this subpart, as appropriate.

(d) Exhaust emissions from stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in §60.4204(a), §60.4205(a), or §60.4205(c) must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in §60.4204(a), §60.4205(a), or §60.4205(c), determined from the equation in paragraph (c) of this section,

Where:

STD = The standard specified for that pollutant in §60.4204(a), §60.4205(a), or §60.4205(c).

Alternatively, stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in §60.4204(a), §60.4205(a), or §60.4205(c) may follow the testing procedures specified in §60.4213, as appropriate.

### **Notification, Reports, and Records for Owners and Operators**

#### **§ 60.4214 What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(b) If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

(c) If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached.

## **General Provisions**

### **§ 60.4218 What parts of the General Provisions apply to me?**

Table 8 to this subpart shows which parts of the General Provisions in §§60.1 through 60.19 apply to you.

## **Definitions**

### **§ 60.4219 What definitions apply to this subpart?**

As used in this subpart, all terms not defined herein shall have the meaning given them in the CAA and in subpart A of this part.

*Combustion turbine* means all equipment, including but not limited to the turbine, the fuel, air, lubrication and exhaust gas systems, control systems (except emissions control equipment), and any ancillary components and sub-components comprising any simple cycle combustion turbine, any regenerative/recuperative cycle combustion turbine, the combustion turbine portion of any cogeneration cycle combustion system, or the combustion turbine portion of any combined cycle steam/electric generating system.

*Compression ignition* means relating to a type of stationary internal combustion engine that is not a spark ignition engine.

*Diesel fuel* means any liquid obtained from the distillation of petroleum with a boiling point of approximately 150 to 360 degrees Celsius. One commonly used form is number 2 distillate oil.

*Diesel particulate filter* means an emission control technology that reduces PM emissions by trapping the particles in a flow filter substrate and periodically removes the collected particles by either physical action or by oxidizing (burning off) the particles in a process called regeneration.

*Emergency stationary internal combustion engine* means any stationary internal combustion engine whose operation is limited to emergency situations and required testing and maintenance. Examples include stationary ICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary ICE used to pump water in the case of fire or flood, etc. Stationary CI ICE used to supply power to an electric grid or that supply power as part of a financial arrangement with another entity are not considered to be emergency engines.

*Engine manufacturer* means the manufacturer of the engine. See the definition of "manufacturer" in this section.

*Fire pump engine* means an emergency stationary internal combustion engine certified to NFPA requirements that is used to provide power to pump water for fire suppression or protection.

*Manufacturer* has the meaning given in section 216(1) of the Act. In general, this term includes any person who manufactures a stationary engine for sale in the United States or otherwise introduces a new stationary engine into commerce in the United States. This includes importers who import stationary engines for sale or resale.

*Maximum engine power* means maximum engine power as defined in 40 CFR 1039.801.

*Model year* means either:

(1) The calendar year in which the engine was originally produced, or

(2) The annual new model production period of the engine manufacturer if it is different than the calendar year. This must include January 1 of the calendar year for which the model year is named. It may not begin before January 2 of the previous calendar year and it must end by December 31 of the named calendar year. For an engine that is converted to a stationary engine after being placed into service as a nonroad or other non-stationary engine, model year means the calendar year or new model production period in which the engine was originally produced.

*Other internal combustion engine* means any internal combustion engine, except combustion turbines, which is not a reciprocating internal combustion engine or rotary internal combustion engine.

*Reciprocating internal combustion engine* means any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work.

*Rotary internal combustion engine* means any internal combustion engine which uses rotary motion to convert heat energy into mechanical work.

*Spark ignition* means relating to a gasoline, natural gas, or liquefied petroleum gas fueled engine or any other type of engine with a spark plug (or other sparking device) and with operating characteristics significantly similar to the theoretical Otto combustion cycle. Spark ignition engines usually use a throttle to regulate intake air flow to control power during normal operation. Dual-fuel engines in which a liquid fuel (typically diesel fuel) is used for CI and gaseous fuel (typically natural gas) is used as the primary fuel at an annual average ratio of less than 2 parts diesel fuel to 100 parts total fuel on an energy equivalent basis are spark ignition engines.

*Stationary internal combustion engine* means any internal combustion engine, except combustion turbines, that converts heat energy into mechanical work and is not mobile. Stationary ICE differ from mobile ICE in that a stationary internal combustion engine is not a nonroad engine as defined at 40 CFR 1068.30 (excluding paragraph (2)(ii) of that definition), and is not used to propel a motor vehicle or a vehicle used solely for competition. Stationary ICE include reciprocating ICE, rotary ICE, and other ICE, except combustion turbines.

*Subpart* means 40 CFR part 60, subpart IIII.

*Useful life* means the period during which the engine is designed to properly function in terms of reliability and fuel consumption, without being remanufactured, specified as a number of hours of operation or calendar years, whichever comes first. The values for useful life for stationary CI ICE with a displacement of less than 10 liters per cylinder are given in 40 CFR 1039.101(g). The values for useful life for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder are given in 40 CFR 94.9(a).

**Table 2 to Subpart IIII of Part 60—Emission Standards for 2008 Model Year and Later Emergency Stationary CI ICE <37 KW (50 HP) With a Displacement of <10 Liters per Cylinder**

[As stated in §60.4202(a)(1), you must comply with the following emission standards:]

Engine power	Emission standards for 2008 model year and later emergency stationary CI ICE <37 KW (50 HP) with a displacement of <10 liters per cylinder in g/KW-hr (g/HP-hr)			
	Model year(s)	NO <sub>x</sub> + NMHC	CO	PM
KW<8 (HP<11)	2008+	7.5 (5.6)	8.0 (6.0)	0.40 (0.30)
8≤KW<19 (11≤HP<25)	2008+	7.5 (5.6)	6.6 (4.9)	0.40 (0.30)
19≤KW<37 (25≤HP<50)	2008+	7.5 (5.6)	5.5 (4.1)	0.30 (0.22)

**Table 5 to Subpart IIII of Part 60—Labeling and Recordkeeping Requirements for New Stationary Emergency Engines**

[You must comply with the labeling requirements in §60.4210(f) and the recordkeeping requirements in §60.4214(b) for new emergency stationary CI ICE beginning in the following model years:

Engine power	Starting model year
19≤KW<56 (25≤HP<75)	2013
56≤KW<130 (75≤HP<175)	2012
KW≥130 (HP≥175)	2011

**Table 8 to Subpart III of Part 60—Applicability of General Provisions to Subpart III**  
 [As stated in §60.4218, you must comply with the following applicable General Provisions:]

General Provisions citation	Subject of citation	Applies to subpart	Explanation
§60.1	General applicability of the General Provisions	Yes	
§60.2	Definitions	Yes	Additional terms defined in §60.4219.
§60.3	Units and abbreviations	Yes	
§60.4	Address	Yes	
§60.5	Determination of construction or modification	Yes	
§60.6	Review of plans	Yes	
§60.7	Notification and Recordkeeping	Yes	Except that §60.7 only applies as specified in §60.4214(a).
§60.8	Performance tests	Yes	Except that §60.8 only applies to stationary CI ICE with a displacement of (≥30 liters per cylinder and engines that are not certified.
§60.9	Availability of information	Yes	
§60.10	State Authority	Yes	
§60.11	Compliance with standards and maintenance requirements	No	Requirements are specified in subpart III.
§60.12	Circumvention	Yes	
§60.13	Monitoring requirements	Yes	Except that §60.13 only applies to stationary CI ICE with a displacement of (≥30 liters per cylinder.
§60.14	Modification	Yes	
§60.15	Reconstruction	Yes	
§60.16	Priority list	Yes	
§60.17	Incorporations by reference	Yes	
§60.18	General control device requirements	No	
§60.19	General notification and reporting requirements	Yes	

D.3.2 General Provisions Relating to New Source Performance Standards [40 CFR 80, Subpart I] [326 IAC 12-1]

- (a) Pursuant to federal provisions of 40 CFR 80, (Regulation of Fuels and Fuel Additives) Subpart I (40 CFR 80.510(a) and 40 CFR 80.510(b)), Motor Vehicles, NonRoad, Locomotive, and Marine Diesel Fuel; and referenced in NSPS 40 CFR 60 Subpart III (40 CFR 60.4200-4219), Fuel Requirements for Owners and Operators, the Permittee shall comply with the following requirements for the emergency generator identified as Generator 2 as follows:

**§ 80.510 What are the standards and marker requirements for NRLM diesel fuel?**

- (a) **Beginning June 1, 2007.** Except as otherwise specifically provided in this subpart, all NRLM diesel fuel is subject to the following per-gallon standards:

- (1) Sulfur content. 500 parts per million (ppm) maximum.
- (2) Cetane index or aromatic content, as follows:
  - (i) A minimum cetane index of 40; or
  - (ii) A maximum aromatic content of 35 volume percent.
- (b) **Beginning June 1, 2010.** Except as otherwise specifically provided in this subpart, all NR and LM diesel fuel is subject to the following per-gallon standards:
  - (1) Sulfur content.
    - (i) 15 ppm maximum for NR diesel fuel.
    - (ii) 500 ppm maximum for LM diesel fuel.
  - (2) Cetane index or aromatic content, as follows:
    - (i) A minimum cetane index of 40; or(ii) A maximum aromatic content of 35 volume percent.

## INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT OFFICE OF AIR QUALITY

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

Source Name: General Motors Powertrain Engineering  
Source Address: 7601 East 88th Street, Indianapolis, Indiana 46256  
Mailing Address: 340 White River Parkway West Drive S, Indianapolis, IN 46222  
FESOP Permit No.: F097-15452-00280

**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  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6865**

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

Source Name: General Motors Powertrain Engineering  
Source Address: 7601 East 88th Street, Indianapolis, Indiana 46256  
Mailing Address: 340 White River Parkway West Drive S, Indianapolis, IN 46222  
FESOP Permit No.: F097-15452-00280

**This form consists of 2 pages**

**Page 1 of 2**

- |  |
|--|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <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 317-233-0178, ask for Compliance Section); and</li><li>• The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), 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  
 and  
 INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**

**FESOP Quarterly Report**

Source Name: General Motors Powertrain Engineering  
 Source Address: 7601 East 88<sup>th</sup> Street, Indianapolis, Indiana 46256  
 Mailing Address: 340 White River Parkway West Drive S, Indianapolis, Indiana 46222  
 FESOP No.: F097-15452-00280  
 Facility: Test Cell MG20A, Test Cell MG20B, Test Cells TCF1, TCF2, TCF3, TCF4, and TCF5 combined  
 Parameter: NOx Emissions  
 Limit: The input of diesel and diesel equivalents to the test cells shall not exceed 295,761 gallons per twelve consecutive month period. For purposes of determining compliance, when gasoline is burned, the following equivalency calculation shall be performed: every one (1) gallon of gasoline is equivalent to 0.7723 gallon of diesel fuel; and every one (1) gallon of kerosene is equivalent to one (1) gallon of diesel fuel.

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

Month	Diesel and Equivalent Usage (gallons)	Diesel and Equivalent Usage (gallons)	Diesel and Equivalent Usage (gallons)
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- 9 No deviation occurred in this quarter.
- 9 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  
 and  
 INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**

**FESOP Quarterly Report**

Source Name: General Motors Powertrain Engineering  
 Source Address: 7601 East 88<sup>th</sup> Street, Indianapolis, Indiana 46256  
 Mailing Address: 340 White River Parkway West Drive S, Indianapolis, Indiana 46222  
 FESOP No.: F097-15452-00280  
 Facility: Test Cell MG20A, Test Cell MG20B, Test Cells TCF1, TCF2, TCF3, TCF4, and TCF5 combined  
 Parameter: CO Emissions  
 Limit: The input of gasoline and gasoline equivalents to the test cells shall not exceed 233,766 gallons per twelve consecutive month period. For purposes of determining compliance, when diesel or kerosene are burned, the following equivalency calculation shall be performed: every one (1) gallon of diesel fuel is equivalent to 0.1703 gallons of gasoline fuel; and every one (1) gallon of kerosene is equivalent to 0.1703 gallons of gasoline fuel

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

Month	Gasoline and Equivalent Usage (gallons)	Gasoline and Equivalent Usage (gallons)	Gasoline and Equivalent Usage (gallons)
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

- 9 No deviation occurred in this quarter.
- 9 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: General Motors Powertrain Engineering  
Source Address: 7601 East 88th Street, Indianapolis, Indiana 46256  
Mailing Address: 340 White River Parkway West Drive S, Indianapolis, IN 46222  
FESOP Permit No.: F097-15452-00280

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

<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 ΔNo 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.

**Indiana Department of Environmental Management  
Office of Air Quality  
and  
City of Indianapolis  
Office of Environmental Services**

**Addendum to the Technical Support Document  
for a Significant Permit Revision Modification to a FESOP**

<b>Source Name:</b>	General Motors Powertrain Engineering
<b>Source Location:</b>	7601 East 88th Street, Indianapolis, Indiana 46256
<b>County:</b>	Marion County
<b>SIC Code:</b>	8734
<b>Operation Permit No.:</b>	097-15452-00280
<b>Operating Permit Issuance Date:</b>	March 15, 2004
<b>Significant Permit Revision</b>	097-25029-00280
<b>Permit Reviewer:</b>	Boris Gorlin

On December 19, 2007, the Office of Air Quality (OAQ) and the Office of Environmental Services (OES) had a notice published in the Indianapolis Star, Indianapolis, Indiana, stating that Rolls Royce Corporation, had applied for a Significant Permit Revision to the FESOP to add five (5) new diesel and gasoline fired engines and transmissions test cells. The notice also stated that OAQ and OES proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On January 17, 2008, Indianapolis OES received comments from General Motors Powertrain Engineering on the draft Significant Permit Revision to the FESOP. Upon further review, OAQ and OES have decided to make the following revisions to the Significant Permit Revision the FESOP. The TSD will remain as it originally appeared when published. Changes to the permit or technical support material that occur after the permit has published for public notice are documented in this Addendum to the Technical Support Document. This accomplishes the desired result of ensuring that these types of concerns are documented and part of the record regarding this permit decision. Bolded language has been added and the language with strikeout has been deleted.

The comments and responses, including changes to the permit, are as follows:

**Comment 1:**

The descriptions of the new fuel tanks identified in Permit condition A.2(f) should be revised to read :

**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:

...

- (f) ~~one (1) above ground diesel fuel storage tank, identified as Tank 6, with a maximum capacity of 2,000 gallons, and one (1) gasoline fuel storage tank, identified as 7, receiving approval to construct in 2007, with a maximum capacity of 6,000 gallons.~~ **One (1) fuel tank at Building 1 consisting of one (1) single unit but having three (3) separate compartments for liquid fuel. The total fuel capacity will be 8,000 gallons. One compartment will have capacity of 4,000 gallons and the other two compartments will have capacity of 2,000 gallons each.**

The total capacity for fuel storage for the new tank will remain at 8000 gallons. However, instead of installing three separate tanks, we will install one tank with three separate sections. Initially, we plan to fill

the 4000 gallon compartment with gasoline, one 2000 gallon compartment with diesel fuel, and the other 2000 gallon compartment with gasoline or E85.

### Response 1:

The change in design and, consequently, description of the tank for gasoline and diesel fuel leaves the new tank's capacity of 8,000 gallons below the threshold of The New Source Performance Standard, 326 IAC 12, 40 CFR 60, Subpart Kb (Standards Of Performance For Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) For Which Construction, Reconstruction, Or Modification Commenced After July 23, 1984) of seventy five (75) cubic meter (m<sup>3</sup>) (19,813 gallons). Therefore, no new rules and requirements will be applicable to the new tank. Upon further review, the following changes were made to the permit Conditions A.2(f) and (g), A.3(a) and (l). No other changes were made to the Significant Permit Revision 097-25029-00280.

#### 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:

...

- (f) ~~one (1) above ground diesel fuel storage tank, identified as Tank 6, with a maximum capacity of 2,000 gallons, and one (1) gasoline fuel storage tank, identified as 7, receiving approval to construct in 2007, with a maximum capacity of 6,000 gallons.~~ **One (1) fuel tank at Building 1, identified as Tank 6, consisting of one (1) single unit having three (3) separate compartments for liquid fuel. The total fuel capacity of the Tank 6 is 8,000 gallons. One compartment has capacity of 4,000 gallons and the other two compartments have capacity of 2,000 gallons each.**
- (g) One (1) 60 horsepower diesel fuel fired emergency generator, identified as Generator 1, receiving approval to construct in ~~2007~~ **2008**.

...

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

---

This stationary source also includes the following insignificant activities:

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour, including eight (8) natural gas air heaters in Buildings 1, 2, and 4, each with maximum input capacity of less than 10 MMBtu/hr and total heat input capacity of 14.3 MMBtu/hr, receiving approval to construct in ~~2007~~ **2008**.
- ...
- (l) Emergency generators not exceeding 110 horsepower, including one (1) gasoline fired emergency generator with capacity of 6.8 horsepower, constructed in 2004, identified as Generator 1, and one (1) diesel fuel fired emergency generator with capacity of 60 horsepower, identified as Generator 2, receiving approval to construct in ~~2007~~ **2008**.

### Comment 2:

GM identified the exhaust stacks for the (5) new transmission test stands to be approximately 45 feet above ground level in the permit application. This height was determined based on preliminary engineering designs. As the engineering designs are finalized, the minimum heights of the exhaust stacks are expected to change. GM will provide IDEM with the final stack heights within the Affidavit of Construction.

### Response 2:

Future changes in the stack heights do not trigger any new rules applicability; therefore, no changes in the Permit are necessary. After the five (5) new transmission test stands engineering designs are finalized and the source notifies IDEM, OAQ and OES of the final stacks height, it will become part of the source's filed records.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
and  
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**

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

**Source Description and Location**

**Source Name:** General Motors Powertrain Engineering  
**Source Location:** 7601 East 88th Street, Indianapolis, Indiana 46256  
**County:** Marion  
**SIC Code:** 8734  
**FESOP No.:** 097-15452-00280  
**Permit Revision No.:** 097-25029-00280  
**Permit Reviewer:** Boris Gorlin

The Indiana Department of Environmental Management (IDEM) Office of Air Quality (OAQ) and Indianapolis Office of Environmental Services (OES) have reviewed an application from General Motors Powertrain Engineering related to the construction and operation of five (5) new transmission test cells, one (1) diesel fuel fired emergency generator, one (1) diesel fuel storage tank, one (1) gasoline storage tank, and eight (8) natural gas fired air heaters.

**Existing Approvals**

The source was issued FESOP No. 097-15452-00280 on March 15, 2004. The source has since received the following approvals:

- (a) First Administrative Amendment 097-19090-00280, issued on September 8, 2004;
- (b) First Significant Permit Revision, 097-19557-00280, issued on October 21, 2005;
- (c) Second Administrative Amendment 097-22503-00280, issued on April 3, 2006.

**County Attainment Status**

The source is located in Marion County.

<b>Pollutant</b>	<b>Status</b>
PM-2.5	nonattainment
PM-10	attainment
SO <sub>2</sub>	maintenance attainment
NO <sub>2</sub>	attainment
8-hour Ozone	attainment
CO	attainment
Lead	attainment

Note: On November 8, 2007 the Indiana Air Pollution Control Board finalized a temporary emergency rule to redesignate Marion County for the 8-hour ozone standard.

- (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 emissions and NOx emissions are considered when evaluating the rule applicability relating to ozone.

On November 8, 2007, a temporary emergency rule took effect redesignating Marion County to attainment for the eight-hour ozone standard. The Indiana Air Pollution Control Board has begun the process for a permanent rule revision to incorporate these changes into 326 IAC 1-4-1. The permanent revision to 326 IAC 1-4-1 should take effect prior to the expiration of the emergency rule. Therefore, VOC emissions and NOx 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.

- (b) Marion County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions pursuant to the requirements of 326 IAC 2-1.1-5 (Nonattainment New Source Review).
- (c) Marion County has been classified as attainment or unclassifiable for PM10, SO<sub>2</sub>, CO and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) Fugitive Emissions  
This type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, and there are no applicable New Source Performance Standards in effect as of August 7, 1980. Therefore, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.
- (e) 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.

<b>Source Status</b>
----------------------

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

Pollutant	Emissions (tons/year)
PM	6.96
PM10	6.96
SO <sub>2</sub>	11.34
VOC	19.83
CO	99.0
NO <sub>x</sub>	99.0

- (a) This existing source is not a major stationary source under PSD (326 IAC 2-2), because no regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not a major stationary source under Emission Offset (326 IAC 2-3) because no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or more.
- (c) These emissions are based upon TSD for the FESOP Significant Permit 097-19557-00280, issued on October 21, 2005.

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

HAPs	Potential To Emit (tons/year)
Individual HAP	Negligible
TOTAL	Negligible

This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

#### Description of Proposed Revision

IDEM, OAQ and OES have reviewed a revision application, submitted by the General Motors Powertrain Engineering on July 11, 2007, relating to the construction and operation of five (5) new transmission test cells, one (1) 60 horsepower diesel-fired emergency generator, one (1) diesel fuel storage tank, one (1) gasoline storage tank, and eight (8) natural gas air heaters. The following is a list of the proposed emission units:

- (a) Five (5) transmission test cells, with maximum engines capacity of 500 HP, located in Building 1, identified as Cell TCF1 to Cell TCF5, receiving approval to construct in 2007, burning diesel, gasoline, and kerosene fuels, using no control, and exhausting to stacks 1 to 5, respectively.
- (b) one (1) above ground diesel fuel storage tank, identified as Tank 6, with a maximum capacity of 2,000 gallons, and one (1) gasoline fuel storage tank, identified as 7, with a maximum capacity of 6,000 gallons, receiving approval to construct in 2007.
- (c) One (1) 60 horsepower diesel fuel fired emergency generator, identified as Generator 2, receiving approval to construct in 2007.
- (d) Eight (8) natural gas air heaters in Buildings 1, 2, and 4, each with maximum heat input capacity of less than 10 MMBtu/hr each and total heat input capacity of 14.3 MMBtu/hr, receiving approval to construct in 2007.

#### Enforcement Issues

There are no pending enforcement actions.

#### Emission Calculations

See Appendix A of this document for detailed emission calculations (seven pages).

#### Permit Level Determination – FESOP Revision

Pursuant to 326 IAC 2-7-1(29), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-8.11.1. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	PTE of revision (ton/year)
PM	24.59
PM10 (PM2.5)	24.59
SO <sub>2</sub>	22.52
VOC	39.87
CO	415.49
NO <sub>x</sub>	347.16
HAPs (combined)	1.037

This permit revision is subject to 326 IAC 2-8-11.1(f)(1)(E)(3)(iii) as a modification with potential NO<sub>x</sub> emissions greater than 25 tons per year, 326 IAC 2-8-11.1(f)(1)(H) as a modification with potential CO emissions greater than 100 tons per year, and 326 IAC 2-8-11.1(g)(2) as a modification that requires an adjustment to the emissions cap limitations. Therefore, this modification will be incorporated in the FESOP as a significant permit revision.

**PTE of the Entire Source with the Proposed Revision**

The table below summarizes the potential to emit, reflecting all limits, of the emission units before and after the proposed Revision. Any control equipment is considered federally enforceable only after issuance of this FESOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Existing (before Revision) PTE appears as ~~strike throughs~~ and PTE after Revision appears in **bold**:

Facility	Potential to Emit (ton/year)						
	CO	NO <sub>x</sub>	PM	PM10	SO <sub>2</sub>	VOC	HAPs
Test Cells MG20A and MG20B	<del>99.00</del>	<del>99.00</del>	<del>6.96</del>	<del>6.96</del>	<del>11.34</del>	<del>13.50</del>	<del>Negligible</del>
<b>7 test cells</b>	<b>90.00</b>	<b>90.00</b>	<b>33.73</b>	<b>33.73</b>	<b>31.43</b>	<b>53.66</b>	<b>0.688</b>
Tanks	<del>Negligible</del> <b>0</b>	<del>Negligible</del> <b>0</b>	<del>Negligible</del> <b>0</b>	<del>6.83</del> <b>0</b>	<del>Negligible</del> <b>0</b>	<del>6.83</del> <b>1.161</b>	<del>Negligible</del> <b>0</b>
<b>Generators</b>	<b>0.293</b>	<b>1.358</b>	<b>0.095</b>	<b>0.0095</b>	<b>0.089</b>	<b>0.108</b>	<b>0.545</b>
<b>Natural Gas Units</b>	<b>5.154</b>	<b>6.135</b>	<b>0.466</b>	<b>0.466</b>	<b>0.037</b>	<b>0.337</b>	<b>0.000</b>
Total Emissions	<del>6.96</del> <b>96.00</b>	<del>6.96</del> <b>96.62</b>	<del>11.34</del> <b>34.23</b>	<del>19.83</del> <b>34.23</b>	<del>99.00</del> <b>31.50</b>	<del>99.00</del> <b>55.20</b>	<del>Negligible</del> <b>1.234</b>
Title V Major Source Thresholds	100	100	100	100	100	100	Less than 10 for a single HAP and 25 for any combination of HAPs.

**PTE of the Entire Source After the Issuance of the Proposed Revision**

The table below summarizes the potential to emit, reflecting all limits, of the emission units after the proposed Revision. Any control equipment is considered federally enforceable only after issuance of this FESOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Potential to Emit (ton/year)								
Facility	CO	NOx	PM10	PM2.5	PM	SO <sub>2</sub>	VOC	HAPs
7 Test Cells	90.00	90.00	33.73	33.73	33.73	31.43	53.66	0.688
Tanks	0	0	0	0	0	0	1.161	0
Generators	0.847	0.484	0.034	0.034	0.034	0.032	0.051	0.545
Natural Gas Units	5.154	6.135	0.466	0.466	0.466	0.037	0.337	0.000
Totals	96.00	96.62	34.23	34.23	34.23	31.50	55.20	1.234
PSD and Nonattainment New Source Review Major Source Thresholds	250	250	250	100	250	250	250	Less than 10 for a single HAP and 25 for any combination of HAPs.

This source is not one of 28 Source Categories and is a minor PSD source. This revision to an existing minor stationary source is not major because the emissions increase is less than the PSD major source threshold for all attainment criteria pollutants, and the source will remain minor after this modification because the allowable total emissions will remain below the major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Marion County has been designated as nonattainment 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 PM10 emissions represent PM2.5 emissions. IDEM will use the PM10 nonattainment major NSR program as a surrogate to address the requirements of nonattainment major NSR for the PM2.5 NAAQS. This source is not a major source under nonattainment new source review; therefore, a significant emissions increase would be a net emissions increase or the potential of one hundred (100) tons per year or greater of PM10. Total PM10 emissions from this modification are less than one hundred (100) tons per year before control. Therefore, assuming that PM10 emissions represent PM2.5 emissions, 326 IAC 2-1.1-5 does not apply for PM2.5.

After this revision, this source is still a minor source pursuant to the Part 70 Permit program.

- (a) When burning diesel fuel, the unrestricted potential to emit of the seven transmission test cells is greater than two hundred fifty (250) tons of NOx and greater than one hundred (100) tons of CO per year. Diesel fuel usage needs to be limited to limit NOx emissions in order to avoid PSD major status and to retain the Part 70 minor source status. With NOx being the highest emitting pollutant when burning diesel fuel, limiting diesel fuel such that NOx emissions are below 100 tons per year will also limit the CO emissions below 100 tons per year. Pursuant to 326 IAC 2-8-4(1) (FESOP permit content), the combined diesel, kerosene, and diesel equivalents usage for Test Cells MG20A, MG20B, TCF1, TCF2, TCF3, TCF4, and TCF5 shall be less than 295,761 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limit is necessary in order to ensure that the NOx emissions from the seven (7) test cells shall be limited to less than ninety (90) tons per twelve consecutive month period and source wide NOx emissions shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. For purposes of determining compliance with the NOx emission limit, one (1) gallon of kerosene is equivalent to one (1) gallon of diesel fuel, and one (1) gallon of gasoline is equivalent to 0.7723 gallons of diesel fuel.
- (b) When burning gasoline, the unrestricted potential to emit of the seven transmission test cells is greater than two hundred fifty (250) tons of both CO and NOx, with CO being the highest emitting pollutant. Gasoline usage needs to be limited to limit CO emissions in

order to avoid PSD major status and to retain the Part 70 minor source status. Limiting gasoline usage such that CO emissions are below 100 tons per year will also limit the NOx emissions below 100 tons per year. Pursuant to 326 IAC 2-8-4(1) (FESOP permit content), the gasoline and gasoline equivalents usage for Test Cells MG20A, MG20B, TCF1, TCF2, TCF3, TCF4, and TCF5 shall be less than 233,766 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limit is necessary in order to ensure that the CO emissions from the seven transmission test cells are limited to less than ninety (90) tons per twelve (12) consecutive month period, and source wide CO emissions shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. For purposes of determining compliance with this CO emission limit, one (1) gallon of kerosene is equivalent to one (1) gallon of diesel fuel, and one (1) gallon of gasoline is equivalent to 0.7723 gallons of diesel fuel.

Compliance with these limits, combined with the potential to emit NOx and CO from other emission units at the source, shall limit the potential to emit NOx and CO from the entire source to less than one hundred (100) tons of NOx per year and one hundred (100) tons of CO per year and, therefore, will render the requirements of 326 IAC 2-7, 326 IAC 2-2, and 326 IAC 2-1.1-5 (Nonattainment New Source Review) not applicable.

#### Federal Rule Applicability Determination

- (a) The New Source Performance Standard, 326 IAC 12, 40 CFR 60, Subpart Kb (Standards Of Performance For Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) For Which Construction, Reconstruction, Or Modification Commenced After July 23, 1984) is not included in this modification because the new 2,000 gallon diesel fuel storage tank and new 6,000 gallon gasoline storage tank have capacities of less than seventy five (75) cubic meter (m<sup>3</sup>) (19,813 gallons).
- (b) The New Source Performance Standard, 40 CFR 60, Subpart IIII (Standards Of Performance For Stationary Compression Ignition Internal Combustion Engines), is not included in this modification for the existing 6.8 horsepower emergency generator, identified as Generator 1, because it was constructed in 2004.
- (c) The emergency generator (Generator 2), receiving construction approval in 2007, is subject to the NSPS provisions of 40 CFR Part 60, Subpart IIII, (40 CFR 60.4200 - 4209), (Standards of Performance for Stationary Compression Ignition Internal Combustion Engines), as an internal combustion engine construction of which commenced in 2007.

Nonapplicable portions of the NSPS will not be included in the permit. The Permittee shall comply with the provisions of this subpart for the emergency generator (EG-01) as follows:

- (1) 40 CFR 60.4200(a)(2)
- (2) 40 CFR 60.4200(a)(3)
- (3) 40 CFR 60.4200(b)
- (4) 40 CFR 60.4205(a)
- (5) 40 CFR 60.4205(b)
- (6) 40 CFR 60.4205(c)
- (7) 40 CFR 60.4206
- (8) 40 CFR 60.4207(a)
- (9) 40 CFR 60.4207(b)
- (10) 40 CFR 60.4207(c)
- (11) 40 CFR 60.4208
- (12) 40 CFR 60.4209(a)
- (13) 40 CFR 60.4209(b)
- (14) 40 CFR 60.4211(a)
- (15) 40 CFR 60.4211(b)

- (16) 40 CFR 60.4211(c)
- (17) 40 CFR 60.4211(e)
- (18) 40 CFR 60.4212
- (19) 40 CFR 60.4214(b)
- (20) 40 CFR 60.4214(c)
- (21) 40 CFR 60.4218
- (22) 40 CFR 60.4219
- (23) Tables 2, 5, and 8

- (b) There are no other New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this modification.
- (b) The 40 CFR Part 63, Subpart P (National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stands) is not included in this modification because this source is not a major source of HAPs as defined in 40 CFR 63.
- (c) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 40 CFR Part 63) included in this modification.

### State Rule Applicability Determination

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

#### 326 IAC 2-1.1-5 (Non-attainment New Source Review)

This modification to an existing minor source under 326 IAC 2-3 (Emission Offset) is not considered major under nonattainment NSR because it has the potential to emit less than 100 tons per year of PM10 (as a surrogate for PM2.5). Therefore, the Nonattainment New Source Review requirements are not applicable.

#### 326 IAC 2-2 (PSD)

This source is not one of 28 Source Categories and is a minor PSD source. This modification to an existing minor stationary source is not major because the emissions increase is less than the PSD major source levels for all attainment criteria pollutants, and the source will remain minor after this modification because the allowable total emissions will remain below the major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

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

The operation of this gasoline and diesel fired engines and transmissions testing facility will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

#### 326 IAC 2-6 (Emission Reporting)

This source is not subject to 326 IAC 2-6 (Emission Reporting), because it is located in Marion County, it is not required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, and it does not emit lead into the ambient air at levels equal to or greater than five (5) tons per year.

#### 326 IAC 2-8-4 (FESOP)

- (a) The existing FESOP 097-15452-00280, modified through a significant permit revision issued on October 6, 2005, limited the potential to emit NOx to less than ninety nine (99) tons per year by the limiting the usage of diesel fuel and its equivalents (kerosene) to 325,350 gallons of diesel fuel per year. The source requested to change the limit of NOx emission from two (2) existing and five (5) new test cells to less than ninety (90) tons per twelve (12) consecutive month period, with compliance determined in the end of each month, by limiting diesel fuel and diesel fuel equivalents usage to less than 295,761 gallons per twelve (12) consecutive month period, with compliance determined in the end of each month.

- (b) The existing FESOP 097-15452-00280, modified through a significant permit revision issued on October 6, 2005, limited the source wide potential to emit CO to less than ninety nine (99) tons per year by the limiting the usage of gasoline and gasoline equivalents to less than 257,143 gallons per year. The source requested to change the limit of CO emission from two (2) existing and five (5) new test cells to less than ninety (90) tons per twelve (12) consecutive month period, with compliance determined in the end of each month, by limiting gasoline and gasoline equivalents usage to less than 233,766 gallons per twelve (12) consecutive month period, with compliance determined in the end of each month.

Compliance with these limits, in combination with the emissions from insignificant activities, will limit the source wide potential to emit of NOx and CO to less than one hundred (100) tons per year each.

#### 326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of thirty percent (30%) 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.

#### 326 IAC 6.5 (Particulate Matter Limitations Except Lake County)

The two (2) existing test cells, identified as Cell MG20A and Cell MG20B, and five (5) new test cells, identified as Cell TCF1 to TCF5, are not subject to this rule because they are not specifically listed in 326 IAC 6.5-6, and this source does not have the potential to emit one hundred (100) tons or more, or actual emissions of ten (10) tons or more of particulate matter per year.

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

The requirements of 326 IAC 8-1-6 apply to new facilities (as of January 1, 1980) which have potential emissions of 25 tons or more per year of volatile organic compounds (VOC). Potential VOC emissions from each of the new five (5) test cells, identified as Cell TCF1 to TCF5, each of two (2) Emergency Generators, one (1) new Tank and each of eight (8) air heaters are less than twenty five (25) tons per year; therefore, 326 IAC 8-1-6 does not apply.

### **Compliance Determination and Monitoring Requirements**

Permits issued under 326 IAC 2-8 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-8-4. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

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

There are no Compliance Monitoring Requirements applicable to this source and its emission units.

In order to verify the NOx and CO emission factors and compliance with respective emission limits for the new and existing test cells when using gasoline engines with capacity of more than 350 HP, the Permittee shall perform stack testing for NOx and CO emissions in one of test cells, utilizing methods approved by IDEM, OAQ and OES, as follows:

- (a) within 180 days after starting operation of a gasoline engine with capacity of equal to or greater than 400 HP but less than 450 HP;
- (b) within 180 days after starting operation of a gasoline engine with capacity of equal to or greater than 450 HP but less than 500 HP;
- (c) within 180 days after starting operation of a gasoline engine with capacity of 500 HP.

Testing shall be conducted in accordance with Section C - Performance Testing.

<b>Proposed Changes</b>
-------------------------

The changes listed below have been made to the FESOP. Deleted language appears as ~~strike throughs~~ and new language appears in **bold**:

Proposed Change #1.

Marion County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions, pursuant to the Non-attainment New Source Review requirements. Therefore, the Source Status line of Condition A.1 General Information is being updated to include this status. In addition, IDEM and OES have determined that it is not necessary to identify the Authorized Individual in the permit, therefore, this information is being removed from Condition A.1.

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

The Permittee owns and operates an operation of research and development for automotive transmissions and electric motors.

Authorized individual:	<del>General Director of Operations - Indianapolis</del>
Source Address:	7601 East 88 <sup>th</sup> Street, Indianapolis, IN 46256
Mailing Address:	<del>4700 West 10th Street (M-29)</del> <b>340 White River Parkway West Drive S, Indianapolis, IN 46222</b>
General Source Phone:	(317) <del>842-8999</del> 269-5628
SIC Code:	8734
<b>County Location:</b>	<b>Marion</b>
Source Location Status:	<del>Marion County</del> Nonattainment for 8-hour ozone standard <del>and for PM 2.5;</del> <b>Nonattainment for PM 2.5 standard</b> Attainment for all other criteria pollutants.
Source Status:	Federally Enforceable State Operating Permit (FESOP) <b>Minor Source, under PSD, Emission Offset, and Nonattainment New Source Review Rules</b> <b>Minor Source, Section 112 of the Clean Air Act</b> <b>Not 1 of 28 Source Categories</b>

Proposed Change #2.

Conditions A.2 and A.3 were revised to incorporate new emission units:

---

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

---

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

- (a) Two (2) ~~engine and engine~~ transmission test cells, **located in Building 2**, identified as Cell MG20A and Cell MG20B, **with maximum engines capacity of 500 HP**, installed in 2001, **burning diesel, gasoline, and kerosene fuels, using no control** and exhausting to stacks A and B, respectively.
- (b) **Five (5) transmission test cells, located in Building 1, identified as Cells TCF1 to TCF5, with maximum engines capacity of 500 HP, receiving approval to construct in 2007, burning diesel, gasoline, and kerosene fuels, using no control, and exhausting to stacks 1 to 5, respectively.**
- ~~(b)~~(c) Three (3) above ground diesel storage tanks, identified as 1, 2, and 3, installed in 2001, each with a maximum capacity of one thousand (1,000) gallons.
- ~~(c)~~(d) One (1) above ground diesel storage tank, identified as 4, installed in 2001, with a maximum capacity of five hundred (500) gallons.
- ~~(d)~~(e) One (1) above ground gasoline storage tank, identified as 5 installed in 2005, with a maximum capacity of two thousand (2,000) gallons.
- (f) **one (1) above ground diesel fuel storage tank, identified as 6, installed in 2007, with a maximum capacity of 2,000 gallons, and one (1) gasoline fuel storage tank, identified as 7, receiving approval to construct in 2007, with a maximum capacity of 6,000 gallons.**

---

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

---

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million Btu per hour, **including eight (8) natural gas air heaters in Buildings 1, 2, and 4, each with maximum input capacity of less than 10 MMBtu/hr and total heat input capacity of 14.3 MMBtu/hr, receiving approval to construct in 2007.**  
...
- (I) Emergency generators as gasoline generators not exceeding 110 horsepower, **including one (1) gasoline fired emergency generator with capacity of 6.8 horsepower, constructed in 2004, identified as Generator 1, and one (1) diesel fuel fired emergency generator with capacity of 60 horsepower, identified as Generator 2, receiving approval to construct in 2007.**  
...

Proposed Change #3.

IDEM, OAQ and OES have decided to include the following updates to Sections B and C to further address and clarify the permit terms and the terms of the conditions.

IDEM, OAQ and OES have 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, OAQ and OES have deleted paragraph (b) of Condition B.13 – Preventive Maintenance and has amended Condition B.14 – Emergency Provisions.

Indiana was required to incorporate credible evidence provisions into state rules consistent with the SIP call published by U.S. EPA in 1997 (62 FR 8314). Indiana has incorporated the credible

evidence provision in 326 IAC 1-1-6. This rule was effective March 16, 2005; therefore, a condition (B.26 - Credible Evidence) reflecting this rule has been added.

In order to avoid duplication of requirements which may be included in D sections, Condition C.7 – Operation of Equipment has been removed from the permit.

IDEM, OAQ and OES have reconsidered the requirement to develop and follow a Compliance Response Plan (Condition C.15). 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”.

IDEM, OAQ has decided to include mail codes in their mailing address. All IDEM, OAQ addresses throughout the permit have been updated accordingly.

Sections B and C have been updated as follows:

## **SECTION B ————— GENERAL CONDITIONS**

### **~~B.1 ————— 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.2 ————— Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5]~~**

~~(c) — This permit, 097-14722-00100, 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.~~

~~(d) — If IDEM, OAQ and OES, 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.3 ————— Term of Conditions [326 IAC 2-1.1-9.5]~~**

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

~~(h) — the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or~~

~~(i) — the emission unit to which the condition pertains permanently ceases operation.~~

### **~~B.4 ————— Enforceability [326 IAC 2-8-6]~~**

~~(a) — 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, OES, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.~~

~~(b) — Unless otherwise stated, all terms and conditions in this permit that are local requirements, including any provisions designed to limit the source's potential to emit, are enforceable by OES. —~~

~~B.5 — Prior Permit Superseded [326 IAC 2-1.1-9.5]~~

~~(a) — All terms and conditions of permits issued prior to 097-14722-00100 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.6 — 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.7 — 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.8 — 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.9 — Duty to Provide Information [326 IAC 2-8-4(5)(E)]~~

~~(a) — The Permittee shall furnish to IDEM, OAQ and OES within a reasonable time, any information that IDEM, OAQ and OES 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 and OES copies of records required to be kept by this permit.~~

~~(b) — For information furnished by the Permittee to IDEM, OAQ and OES, 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)]~~

~~IDEM, OAQ and/or OES 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 — Compliance with Permit Conditions [326 IAC 2-8-4(5)(A)] [326 IAC 2-8-4(5)(B)]~~

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

~~(1) — Enforcement action;~~

~~(2) — Permit termination, revocation and reissuance, or modification; and~~

~~(3) — Denial of a permit renewal application.~~

~~(b) — It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.~~

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

~~B.12 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.~~
- (c) ~~An authorized individual is defined at 326 IAC 2-1.1-1(1).~~

~~B.13 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]~~

- (a) ~~The Permittee shall annually submit a compliance certification report which addresses the status of the source=s compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:~~

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

~~and~~

~~City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097~~

- (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, and OES 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, and OES~~

~~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.14 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]~~

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

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

~~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~~

~~and~~

~~City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097~~

~~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 as necessary to ensure that failure to implement a PMP does not cause or contribute to a violation of any limitation on emissions or potential to emit.~~
- ~~(c) A copy of the PMPs shall be submitted to IDEM, OAQ and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and OES. IDEM, OAQ and OES may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or contributes to any violation. The PMP does not require the certification by the authorized individual as defined by 326 IAC 2-1.1-1(1).~~
- ~~(d) Records of preventive maintenance shall be retained for a period of at least five (5) years. These records shall be kept at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner or the OES Administrator makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner and the OES Administrator within a reasonable time.~~

~~B.15 Emergency Provisions [326 IAC 2-8-12]~~

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

~~IDEM, OAQ~~

~~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~~

~~OES~~

~~Telephone No.: 317/327-2234  
Facsimile No.: 317/327-2274~~

- ~~(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~~

~~and~~

~~City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097~~

~~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 and OES 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 and OES 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.16 — Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]~~

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

~~Indiana Department of Environmental Management  
Compliance Branch, Office of Air Quality (Data Compliance Section)  
100 North Senate Avenue~~

~~Indianapolis, Indiana 46204-2254~~

and

~~City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097~~

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

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

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

~~B.17 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]~~

---

- ~~(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a FESOP modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require the certification by the authorized individual as defined by 326 IAC 2-1.1-1(1).~~
- ~~(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ and OES 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 and OES 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 and OES at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ and OES may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]~~

~~B.18 Permit Renewal [326 IAC 2-8-3(h)]~~

---

- ~~(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and OES 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

and

City of Indianapolis  
Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097

~~(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 and OES 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 and OES 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 and OES any additional information identified as needed to process the application.~~

~~B.19 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]~~

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

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

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

~~and~~

~~City of Indianapolis  
Office of Environmental Services  
Air Permits  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097~~

~~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)]~~

~~B.20 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 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 46204-2254~~

~~and~~

~~City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097~~

~~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 emissions 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 and OES 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, OES, and 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.21 — 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.22 — Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2]~~

~~Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, and OES 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.23 — 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 46204-2254~~

and

City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097

~~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.24 Annual Fee Payment [326 IAC 2-8-16] [326 IAC 2-8-4(6)] [326 IAC 2-8-16] [326 IAC 2-1.1-7] [326 IAC 2-7-9]~~

- ~~(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 317-233-4320 (ask for OAQ, Billing, Licensing and Training (BLT) Section), to determine the appropriate permit fee.~~

**SECTION C SOURCE OPERATION CONDITIONS**



**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), the allowable particulate emissions rate 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 make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable.~~
- ~~(2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and~~

~~(3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.~~

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

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

### ~~C.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 thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.~~

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

### ~~C.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 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

and

City of Indianapolis  
Office of Environmental Services  
Enforcement Section  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097

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

- (e) ~~Procedures for Asbestos Emission Control~~  
~~The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(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) ~~Indiana Accredited Asbestos Inspector~~  
~~The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.~~

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

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

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

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

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

~~and~~

~~City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097~~

~~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 and OES 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 and/or OES not later than forty five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ and OES if the source submits to IDEM, OAQ and OES a reasonable written explanation not later than five (5) days prior to the end of the initial forty five (45) day period.~~

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

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

~~The Commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326-2-11-11. 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)]~~

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

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

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

~~Any monitoring or testing performed 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.~~

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

~~C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]~~

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

- ~~(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on November 16, 1988.~~
- ~~(b) Upon direct notification by IDEM, OAQ and OES 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.14 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68.215]~~

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

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

~~All documents submitted pursuant to this condition shall include the certification by the authorized individual as defined by 326 IAC 2-1.1-1(1).~~

~~C.15 Compliance Response Plan - Preparation, Implementation, Records and Reports [326 IAC 2-7-5] [326 IAC 2-8-4]~~

~~(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 and OES upon request. The CRP shall be prepared within ninety (90) days after issuance of this permit by the Permittee, supplemented from time to time by the Permittee, maintained on site, and comprised of:~~

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

~~(a) 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, the IDEM, OAQ shall be promptly notified of the expected date of the shut down, the status of the applicable compliance monitoring parameter with respect to normal, and the results of the actions taken up to the time of notification.~~

- ~~(4) Failure to take reasonable response steps shall constitute a violation of 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 a 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.16 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4][326 IAC 2-8-5]~~
- ~~(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ and OES 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 and OES that retesting in one hundred and twenty (120) days is not practicable, IDEM, OAQ and OES may extend the retesting deadline.~~
- ~~(c) IDEM, OAQ and OES reserves the authority to take any actions allowed under law in response to noncompliant stack tests.~~

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

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

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

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

~~C.18 — General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]~~

- ~~(a) — The 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 (Compliance Data Section)  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251~~

~~and~~

~~City of Indianapolis  
Office of Environmental Services  
Air Compliance  
2700 South Belmont Avenue  
Indianapolis Indiana 46221-2097~~

- ~~(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 and OES 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) — Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit a calendar year means the twelve (12) month period from January 1 to December 31 inclusive.~~

**Stratospheric Ozone Protection**

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

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

~~recycling and emissions reduction:~~

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

## **SECTION B GENERAL CONDITIONS**

### **B.1 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.2 Permit Term [326 IAC 2-8-4(2)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]**

- (a) This permit, F097-15452-00280, 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.3 Term of Conditions [326 IAC 2-1.1-9.5]**

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

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

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

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

### **B.5 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.6 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.7 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 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.8 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.9 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 no later than April 15 of each year to:**

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

**and**

**Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221**

- (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.10 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.11 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  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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

---

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that 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  
Office of Environmental Services phone: (317) 327-2234; fax: (317) 327-2274

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

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

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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

---

- (a) All terms and conditions of permits established prior to F097-25029-00280 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.14 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.15 Deviations from Permit Requirements and Conditions [326 IAC 2-8-4(3)(C)(ii)]**

---

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

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

**and**

**Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221**

**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.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination**

~~[326 IAC 2-8-4(5)(C)]~~~~[326 IAC 2-8-7(a)]~~~~[326 IAC 2-8-8]~~

---

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a 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.17 Permit Renewal ~~[326 IAC 2-8-3(h)]~~**

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by 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  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

- (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.18 Permit Amendment or Revision [326 IAC 2-8-10][326 IAC 2-8-11.1]**

---

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

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

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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

---

- (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  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251**

**and**

**Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221**

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

---

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

**B.21 Inspection and Entry [326 IAC 2-8-5(a)(2)][IC 13-14-2-2][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.22 Transfer of Ownership or Operational Control [326 IAC 2-8-10]**

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

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

and

Indianapolis Office of Environmental Services  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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.23 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.24 Advanced Source Modification Approval [326 IAC 2-8-4(11)] [326 IAC 2-1.1-9]**

- (a) The requirements to obtain a permit modification under 326 IAC 2-8-11.1 are satisfied by this permit for the proposed emission units, control equipment or insignificant activities in Sections A.2 and A.3.
- (b) Pursuant to 326 IAC 2-1.1-9 any permit authorizing construction may be revoked if construction of the emission unit has not commenced within eighteen (18) months from the date of issuance of the permit, or if during the construction, work is suspended for a continuous period of one (1) year or more.

**B.25 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
---------------

**Emission Limitations and Standards [326 IAC 2-8-4(1)]****C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]**

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

**C.2 Overall Source Limit [326 IAC 2-8] [326 IAC 2-2] [326 IAC 2-3]**

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

- (a) Pursuant to 326 IAC 2-8:
- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one-hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-3 (Emission Offset) not applicable.
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the

**entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and**

- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.**
- (b) 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 thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.**
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.**

**C.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]**

---

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

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

---

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

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:**
  - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or**
  - (2) If there is a change in the following:**
    - (A) Asbestos removal or demolition start date;**
    - (B) Removal or demolition contractor; or**
    - (C) Waste disposal site.**
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).**
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).**

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

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

**and**

**Indianapolis Office of Environmental Services  
Air Enforcement  
2700 South Belmont Ave.  
Indianapolis, IN 46221**

**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.8 Performance Testing [326 IAC 3-6]**

---

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

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

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

and

Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "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 an "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 and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, and OES 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.9 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.10 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) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated

**within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:**

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

**and**

**Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221**

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

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

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

**C.11 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.12 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)][326 IAC 2-8-5(1)]**

---

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

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

**C.13 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

---

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

- (a) The Permittee prepared and submitted an updated written emergency reduction plan (ERP) consistent with safe operating procedures on September 17, 2007.**
- (b) Upon direct notification by IDEM, OAQ and OES 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.14 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.15 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]**

---

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

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

---

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

- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.**
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.**

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

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

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

---

- (a) Records of all required 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 or OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES within a reasonable time.**
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.**

##### **C.18 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

---

- (a) The 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).**

- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:**

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

**and**

**Indianapolis Office of Environmental Services  
Air Compliance  
2700 South Belmont Ave.  
Indianapolis, IN 46221**

- (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, and OES 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 an "authorized individual" as defined by 326 IAC 2-1.1-1(1).**
- (e) **Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.**

### Stratospheric Ozone Protection

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

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

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

#### Proposed Change #4

Permit Section D.1 has been revised to reflect the addition of five (5) new test cells:  
Permit Section D.2 was revised and Permit Section D.3 was added to reflect addition of new Insignificant Activities.

### SECTION D.1 FACILITY OPERATION CONDITIONS

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

- (a) **Two (2) ~~engine and engine~~ transmission test cells, located in Building 2, identified as Cell MG20A and Cell MG20B, with maximum engines capacity of 500 HP, installed in 2001, burning diesel, gasoline, and kerosene fuels, using no control and exhausting to stacks A and B, respectively.**
- (b) **Five (5) transmission test cells, located in Building 1, identified as Cells TCF1 to TCF5, with maximum engines capacity of 500 HP, receiving approval to construct in 2007, burning diesel, gasoline, and kerosene fuels, using no control, and exhausting to stacks 1 to 5, respectively.**

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

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

D.1.2 Oxides of Nitrogen (NOx) - Diesel and Kerosene Fuel Usage [326 IAC 2-8-4(1)] [326 IAC 2-2]

**(a) NOx emissions from the seven (7) transmission test cells, identified as Cell MG20A, Cell MG20B, and Cells TCF1 to TCF5 shall not exceed 0.6086 pounds per gallon of diesel fuel.**

~~(a)(b)~~ Pursuant to 326 IAC 2-8-4(1) (FESOP permit content), the combined diesel, kerosene and diesel equivalents usage for **the seven (7) transmission test cells, identified as Cell MG20A, and Cell MG20B, and Cells TCF1 to TCF5** shall be less than ~~325,350~~ **295,761** gallons per twelve (12) consecutive month period, with compliance demonstrated at the end of each month. For purposes of determining compliance with this NOx emission limit, one (1) gallon of kerosene is equivalent to one (1) gallon of diesel fuel, and one (1) gallon of gasoline is equivalent to 0.7723 gallons of diesel fuel.

**Compliance with Conditions D.1.2(a) and D.1.2(b), combined with the potential to emit**  
~~This limit is necessary in order to ensure that the NOx from other emission units at the source, emissions from the source are~~ **shall limit the NOx emissions from the entire source** to less than one hundred (100) tons per twelve (12) consecutive month period. ~~For purposes of determining compliance with this NOx emission limit, one (1) gallon of kerosene is equivalent to one (1) gallon of diesel fuel, and one (1) gallon of gasoline is equivalent to 0.7723 gallons of diesel. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2, and nonattainment new source review will not apply.~~

D.1.3 Carbon Monoxide (CO) - Gasoline Fuel Usage [326 IAC 2-8-4] [326 IAC 2-2]

**(a) CO emissions from the seven (7) transmission test cells, identified as Cell MG20A, Cell MG20B, and Cell TCF1 to Cell TCF5 shall not exceed 0.770 pounds per gallon of gasoline.**

~~(a)(b)~~ Pursuant to 326 IAC 2-8-4(1) (FESOP permit content), the gasoline and gasoline equivalents usage for **the seven (7) transmission test cells, identified as Cell MG20A, and Cell MG20B, and Cells TCF1 to TCF5** shall be less than ~~257,143~~ **233,766** gallons per twelve (12) consecutive month period, with compliance demonstrated at the end of each month. **For purposes of determining compliance with this CO emission limit, one (1) gallon of diesel or kerosene is equivalent to 0.1703 gallon of gasoline fuel.**

**Compliance with Conditions D.1.3(a) and D.1.3(b), combined with the potential to emit**  
~~This limit is necessary in order to ensure that CO from other emission units at the source, is necessary in order to ensure that~~ **shall limit the CO emissions from the entire source** are limited to less than one hundred (100) tons per twelve (12) consecutive month period. ~~For purposes of determining compliance with this CO emission limit, one (1) gallon of diesel or kerosene is equivalent to 0.1703 gallon of gasoline fuel. Therefore, the requirements of 326 IAC 2-7 and 326 IAC 2-2 will not apply.~~

...

## Compliance Determination Requirements

### D.1.4 Testing Requirements [326 IAC 2-8-5(a)(1), (4)] [326 IAC 2-1.1-11]

In order to determine compliance with condition D.1.3(a) for transmission test cells EU ID # Cell MG20A, Cell MG20B, Cells TCF1 to TCF5, and condition D.1.3(b) gasoline to diesel fuel equivalency factor when using gasoline engines with capacity of more than 350 HP, the Permittee shall perform stack testing for CO emissions on one of transmission test cells, utilizing methods approved by IDEM, OAQ and OES, as follows:

- (a) within 180 days after starting operation of a gasoline engine with capacity equal to or greater than 400 HP but less than 450 HP;
- (b) within 180 days after starting operation of a gasoline engine with capacity equal to or greater than 450 HP but less than 500 HP;
- (c) within 180 days after starting operation of a gasoline engine with capacity of 500 HP.

Testing shall be conducted in accordance with Section C - Performance Testing.

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

#### D.1.4-5 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.2 and D.1.3, the Permittee shall maintain records of monthly fuel and fuel equivalents usage.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping.

#### D.1.5-6 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.2 and D.1.3 shall be submitted to the addresses listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the authorized individual as defined by 326 IAC 2-1.1-1(1).

## SECTION D.2 FACILITY OPERATION CONDITIONS

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

- ~~(b)~~(c) Three (3) above ground diesel storage tanks, identified as 1, 2, and 3, installed in 2001, each with a maximum capacity of one thousand (1,000) gallons.
- ~~(c)~~(d) One (1) above ground diesel storage tank, identified as 4, installed in 2001, with a maximum capacity of five hundred (500) gallons.
- ~~(d)~~(e) One (1) above ground gasoline storage tank, identified as 5 installed in 2005, with a maximum capacity of two thousand (2,000) gallons.
- (f) one (1) above ground diesel fuel storage tank, identified as 6, receiving approval to construct in 2007, with a maximum capacity of 2,000 gallons, and one (1) gasoline fuel storage tank, identified as 7, receiving approval to construct in 2007, with a maximum capacity of 6,000 gallons.

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

...

### SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS

#### Emissions Unit Description:

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

- (I) Emergency generators not exceeding 110 horsepower, including one (1) gasoline fired emergency generator with capacity of 6.8 horsepower, constructed in 2004, identified as Generator 1, and one (1) diesel fuel fired emergency generator with capacity of 60 horsepower, identified as Generator 2, receiving approval to construct in 2007.

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

#### New Source Performance Standards (NSPS) Requirements [40 CFR 60, Subpart A, and Subpart IIII] [326 IAC 12]

##### D.3.1 General Provisions Relating to New Source Performance Standards [40 CFR 60, Subpart IIII] [326 IAC 12-1]

- (a) Pursuant to New Source Performance Standards (NSPS) provisions of 40 CFR 60, Subpart IIII, (40 CFR 60.4200 - 4209), Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, the source shall comply with the provisions of this subpart for the emergency generator, identified as Generator 2, as follows:

#### Subpart IIII—Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

...

#### Proposed Change #4

FESOP Quarterly Reports were modified to incorporate revised test cells fuel usage limits:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE DATA SECTION  
and  
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
FESOP Quarterly Report**

Source Name: General Motors Powertrain Engineering  
Source Address: 7601 East 88<sup>th</sup> Street, Indianapolis, Indiana 46256  
Mailing Address: ~~4700 West 10<sup>th</sup> Street, M-29~~ **340 White River Parkway West Drive S**, Indianapolis, Indiana 46222  
FESOP No.: F097-15452-00280  
Facility: Test Cell MG20A, & Test Cell MG20B, **Test Cells TCF1, TCF2, TCF3, TCF4, and TCF5** combined  
Parameter: NOx Emissions  
Limit: The input of diesel and diesel equivalents to the test cells shall not exceed ~~325,350~~ **295,761** gallons per twelve consecutive month period. For purposes of determining compliance, when gasoline is burned, the following equivalency calculation shall be

performed: every one (1) gallon of gasoline is equivalent to 0.7723 gallon of diesel fuel; and every one (1) gallon of kerosene is equivalent to one (1) gallon of diesel fuel.

...

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

**FESOP Quarterly Report**

Source Name: General Motors Powertrain Engineering  
Source Address: 7601 East 88<sup>th</sup> Street, Indianapolis, Indiana 46256  
Mailing Address: ~~4700 West 10th Street, M-29~~ **340 White River Parkway West Drive S**, Indianapolis, Indiana 46222  
FESOP No.: F097-15452-00280  
Facility: Test Cell MG20A, & Test Cell MG20B, **Test Cells TCF1, TCF2, TCF3, TCF4, and TCF5** combined  
Parameter: CO Emissions  
Limit: The input of gasoline and gasoline equivalents to the test cells shall not exceed ~~257,143~~ **233,766** gallons per twelve consecutive month period. For purposes of determining compliance, when diesel or kerosene are burned, the following equivalency calculation shall be performed: every one (1) gallon of diesel fuel is equivalent to 0.1703 gallons of gasoline fuel; and every one (1) gallon of kerosene is equivalent to 0.1703 gallons of gasoline fuel

...

**Conclusion and Recommendation**

The construction of this proposed modification shall be subject to the conditions of the attached proposed FESOP Significant Permit Revision No. 097-25029-00280. The staff recommends to the Administrator that this FESOP Significant Permit Revision be approved.-

**Appendix A: Emission Calculations**

**Internal Combustion Engines - Diesel Fuel Turbine**

**Company Name:** General Motors Powertrain Engineering  
**Address City IN Zip:** 7601 East 88th Place, Indianapolis, Indiana 46256  
**Permit Number:** 097-19957-00280  
**Significant Permit Revision Number:** 097-25029-00280  
**Reviewer:** Boris Gorlin

**Insignificant Activities Emission Calculation**

**Natural Gas Heaters**

Building 2	150,000	btu/hr make-up air unit for Bottle Gas room
	1,250,000	btu/hr make-up air unit for MG20 test cell
	225,000	btu/hr indirect fire gas unit heater
	6,000,000	btu/hr building make-up air units (2 @ 3,000,000/ea)
	7,625,000	Total
Building 1	1,600,000	btu/hr (two new units @ 800,000 btu/hr ea)
	300,000	btu/hr
	1,900,000	Total
Building 4	4,762,500	btu/hr (average demand of Buildings 1 and 2)
Total heat input (all buildings)	14.2875	mmBtu/hr
Natural gas heat content	1020	BTU/cf
Max Natural Gas combustion rate	0.0140	mmcf/hr

**Potential Emissions**

<b>Pollutant</b>	<b>NOx</b>	<b>CO</b>	<b>PM</b>	<b>PM10</b>	<b>PM2.5</b>	<b>VOC</b>	<b>SO2</b>
Emission Factor (lb/mmcf)	100	84	7.6	7.6	7.6	5.5	0.6
PTE (lb/hr)	1.40	1.18	0.11	0.11	0.11	0.08	0.01
PTE (lb/day)	33.62	28.24	2.55	2.55	2.55	1.85	0.20
<b>PTE (ton/yr)</b>	<b>6.14</b>	<b>5.15</b>	<b>0.47</b>	<b>0.47</b>	<b>0.47</b>	<b>0.34</b>	<b>0.04</b>

Emission factors are from AP42 (Supplement B 10/96), Table 1.4-1, 1.4-2 and 1.4-3.

Appendix A: Emission Calculations					Page 2 of 6
<b>Company Name:</b>		General Motors Powertrain Engineering			
<b>Address City IN Zip:</b>		7601 East 88th Place, Indianapolis, Indiana 46256			
<b>Permit Number:</b>		097-19957-00280			
<b>Significant Permit Revision Number:</b>		097-25029-00280			
<b>Reviewer:</b>		Boris Gorlin			
<b>Emergency Generators</b>					
Operation Schedule:		500 hr/year			
Generators Capacity =		60 HP 152,727 btu/hr	6.8 HP 17,309 btu/hr		
		<b>60 HP diesel fired generator</b>		<b>6.8 HP gasoline fired generator</b>	
<b>Pollutant</b>	<b>Emission Factor (lb/hp-hr)</b>	<b>Potential Emissions (ton/yr)</b>	<b>Emission Factor (lb/hp-hr)</b>	<b>Potential Emissions (ton/yr)</b>	<b>Total (ton/yr)</b>
CO	6.680E-03	1.002E-01	4.390E-01	7.463E-01	0.847
NOx	3.100E-02	4.650E-01	1.100E-02	1.870E-02	0.484
PM10	2.200E-03	3.300E-02	7.210E-04	1.226E-03	0.034
PM2.5	2.200E-03	3.300E-02	7.210E-04	1.226E-03	0.034
PM	2.200E-03	3.300E-02	7.210E-04	1.226E-03	0.034
SO2	2.050E-03	3.075E-02	5.910E-04	1.005E-03	0.032
VOC	2.510E-03	3.765E-02	8.091E-03	1.375E-02	0.051
<b>HAP Emissions (worst case, diesel fuel)</b>					
<b>HAP</b>	<b>Emission Factor (lb/MMBtu)</b>	<b>Maximum Uncontrolled Emissions (ton/yr)</b>			
Benzene	9.33E-04	7.932E-02			
Toluene	4.09E-04	3.477E-02			
Xylene	2.85E-04	2.423E-02			
Propylene	2.58E-03	2.193E-01			
Formaldehyde	1.18E-03	1.003E-01			
Acetaldehyde	7.67E-04	6.521E-02			
Acrolein	9.25E-05	7.864E-03			
PAH	1.68E-04	1.428E-02			
<b>Total:</b>		<b>0.545</b>			
Potential Emissions (tons/yr) = Emission factor (lb/hr-hr) * Capacity (hp) * Operation hours (hr/yr) * 1 ton/2000 lb					
HAP Emissions (ton/yr) = Emission factor (lb/MMBtu) * Capacity (Btu/hr) * Operation hours (hr/yr) / (1,000,000 MMBtu/btu * 1 ton/2,000 lb)					
Source of Emission Factors: AP-42 Tables 3.3-1 and 3.3-2 (10/1996 edition)					

**Appendix A: Emission Calculations**

**Company Name:** General Motors Powertrain Engineering  
**Address City IN Zip:** 7601 East 88th Place, Indianapolis, Indiana 46256  
**Permit Number:** 097-19957-00280  
**Significant Permit Revision Number:** 097-25029-00280  
**Reviewer:** Boris Gorlin

**Gasoline Test Cells (Gasoline Fuel Turbine)**

Number of New Engines = **5**  
 Engine Capacity = **500 HP each**  
 BSFC = **7,000 Btu/HP-hr**  
 Heat Value of Gasoline = **144,130 Btu/gallon**

Emission factors for PM, PM10, and SO2 are from AP-42 (Supplement B 10/96), Table 3.3-1  
 Emission factors for VOC are from GM Powertrain Raw Exhaust Gas Measurements.  
 Emission factors for CO and NOx are from a stack test performed on similar units at Allison Transmission on 3/30/05.

**POTENTIAL TO EMIT**

Pollutant	Emission Factor		Unlimited Potential Emissions (ton/yr)			Limited PTE (ton/yr)
	lb/HP-hr	lb/gal	5 new test cells	2 existing tests cells	Total	7 test cells
CO	0.037	0.770	<b>409.49</b>	<b>163.80</b>	<b>573.29</b>	<b>90.00</b>
NOx	0.023	0.470	<b>249.95</b>	<b>99.98</b>	<b>349.93</b>	<b>90.00</b>
PM10	7.21E-04	0.10	7.895	3.16	11.05	11.05
PM2.5	7.21E-04	0.10	7.895	3.16	11.05	11.05
PM	7.21E-04	0.10	7.895	3.16	11.05	11.05
SO2	5.91E-04	0.084	6.471	2.589	9.060	9.060
VOC	3.50E-03	0.5	38.325	15.33	53.66	53.66

Potential Emissions (tons/year) = Total Engine Capacity (HP) \* emissions factor (lbs/HP-hr) \* 8760 hours / 1 year \* 1 ton / 2000 lbs

**LIMITED POTENTIAL TO EMIT (7 test cells)**

**Limited CO Emissions:** **90.0 ton/yr**  
**Limited NOx Emissions:** **90.0 ton/yr**  
**Fuel Usage Limit:** **233,766 gal/year**  
**NOx Emission at limited fuel usage:** **54.94 ton/yr**

Fuel Usage Limit = Limited CO Emissions (ton/yr) x 2,000 lb/ton /CO Emission Factor (lb/gal)  
 Potential Emissions (tons/year) = fuel usage (gal/year) \* emissions factor (lbs/gal) \* 1 ton / 2000 lbs

Appendix A: Emission Calculations							Page 4 of 6
Internal Combustion Engines - Diesel Fuel Turbine							
<b>Company Name:</b>		General Motors Powertrain Engineering					
<b>Address City IN Zip:</b>		7601 East 88th Place, Indianapolis, Indiana 46256					
<b>Permit Number:</b>		097-19957-00280					
<b>Significant Permit Revision Number:</b>		097-25029-00280					
<b>Reviewer:</b>		Boris Gorlin					
<b>Diesel Engines &lt;600 HP each (Internal Combustion Engine - Diesel Turbine)</b>							
Number of New Engines =		5 engines					
Number of Existing Engines =		2 engines					
Max. Engine Capacity =		500 HP/engine					
Heat Value of Diesel =		138,000 Btu/gallon					
Emission factors are from AP42 (Supplement B 10/96), Table 3.3-1							
<b>POTENTIAL TO EMIT</b>							
Pollutant	Emission Factor		Unlimited Potential Emissions (ton/yr)			Limited PTE (ton/yr)	
	lb/HP-hr	lb/gal	5 new test cells	2 existing tests cells	Total	7 test cells	
CO	6.68E-03	0.1311	73.15	29.26	102.4	90.00	
NOx	3.11E-02	0.6086	340.5	136.2	476.8	90.00	
PM10	2.20E-03	0.0428	24.09	9.64	33.73	33.73	
PM2.5	2.20E-03	0.0428	24.09	9.64	33.73	33.73	
PM	2.20E-03	0.0428	24.09	9.64	33.73	33.73	
SO2	2.05E-03	0.0400	22.45	8.98	31.43	31.43	
VOC	2.47E-03	0.0483	27.05	10.82	37.87	37.87	
Potential Emissions (tons/yr) = fuel usage (gal/yr) * emissions factor (lb/gal) * 1 ton/2000 lbs							
Emission factors are from AP42 (Supplement B 10/96), Table 3.3-1							
<b>LIMITED POTENTIAL TO EMIT (7 test cells)</b>							
<b>Limited NOx Emission:</b>		90.0 ton/yr					
<b>Fuel Usage Limit:</b>		295,761 gal/year					
<b>CO Emission at limited fuel usage:</b>		19.39 ton/yr					
Fuel Usage Limit = Limited NOx Emissions (ton/yr) x 2,000 lb/ton / NOx Emission Factor (lb/gal)							
Potential Emissions (tons/year) = fuel usage (gal/year) * emissions factor (lbs/gal) * 1 ton / 2000 lbs							

**Appendix A: Emission Calculations**

**Internal Combustion Engines - Diesel Fuel Turbine**

**Company Name:** General Motors Powertrain Engineering

**Address City IN Zip:** 7601 East 88th Place, Indianapolis, Indiana 46256

**Permit Number:** 097-19957-00280

**Significant Permit Revision Number:** 097-25029-00280

**Reviewer:** Boris Gorlin

**Diesel Fuel HAP Emission**

Number of New Engines = **5 engines**

Number of Existing Engines = **2 engines**

Engine Capacity = **500 HP each**

BSFC 7000 Btu/HP-hr

Heat Value of Diesel= 138,000 Btu/gallon

Source of Emission Factors: AP-42 Tables 3.3-1 and 3.3-2 (Oct 1996 edition)

**HAPs**

**UNLIMITED POTENTIAL TO EMIT**

HAP	Heat Input (MMBtu/yr)		Emission Factor (lb/MMBtu)	Maximum Uncontrolled Emissions			
	5 engines	7 engines		5 engines		7 engines	
				lb/yr	ton/yr	lb/yr	ton/yr
Benzene	153,300	214,620	9.33E-04	143.03	0.072	200.24	0.100
Toluene	153,300	214,620	4.09E-04	62.70	0.031	87.78	0.044
Xylene	153,300	214,620	2.85E-04	43.69	0.022	61.17	0.031
Propylene	153,300	214,620	2.58E-03	395.51	0.198	553.72	0.277
Formaldehyde	153,300	214,620	1.18E-03	180.89	0.090	253.25	0.127
Acetaldehyde	153,300	214,620	7.67E-04	117.58	0.059	164.61	0.082
Acrolein	153,300	214,620	9.25E-05	14.18	0.007	19.85	0.010
PAH	153,300	214,620	1.68E-04	25.75	0.013	36.06	0.018
				<b>Total:</b>	<b>0.492</b>		<b>0.688</b>

MMBtu/year = No. of Engines x Engine Capacity (HP) x BSFC (Btu/HP-hr) / (1,000,000 Btu / 1 MMBtu) x 8,760 hours/year

Potential Emissions (tons/year) = MMBtu / 1 Year \* emissions factor (lbs/MMBtu) \* 8760 hours / 1 year \* 1 ton / 2000 lbs

**Appendix A: Emission Calculations**

**Internal Combustion Engines - Diesel Fuel Turbine**

**Company Name:** General Motors Powertrain Engineering  
**Address City IN Zip:** 7601 East 88th Place, Indianapolis, Indiana 46256  
**Permit Number:** 097-19957-00280  
**Significant Permit Revision Number:** 097-25029-00280  
**Reviewer:** Boris Gorlin

**Potential To Emit Summary**

<b>Unlimited Potential to Emit (tpy)</b>								
<b>Facility</b>	<b>CO</b>	<b>NOx</b>	<b>PM10</b>	<b>PM2.5</b>	<b>PM</b>	<b>SO2</b>	<b>VOC</b>	<b>HAPs</b>
5 New Test Cells	409.49	340.55	24.090	24.090	24.090	22.448	38.325	0.492
7 Test Cells	573.29	476.76	33.73	33.73	33.73	31.43	53.66	0.688
Tanks	0	0	0	0	0	0	1.161	0.000
Generators	0.847	0.484	0.034	0.034	0.034	0.032	0.051	0.545
Natural Gas Units	5.154	6.135	0.466	0.466	0.466	0.037	0.337	0.000
<b>Total (revision)</b>	<b>415.49</b>	<b>347.16</b>	<b>24.59</b>	<b>24.59</b>	<b>24.59</b>	<b>22.52</b>	<b>39.87</b>	<b>1.037</b>
<b>Total (after revision)</b>	<b>579.29</b>	<b>483.38</b>	<b>34.23</b>	<b>34.23</b>	<b>34.23</b>	<b>31.50</b>	<b>55.20</b>	<b>1.234</b>

<b>Limited Potential to Emit (tpy)</b>								
<b>Facility</b>	<b>CO</b>	<b>NOx</b>	<b>PM10</b>	<b>PM2.5</b>	<b>PM</b>	<b>SO2</b>	<b>VOC</b>	<b>HAPs</b>
7 Test Cells	<b>90.0</b>	<b>90.0</b>	33.73	33.73	33.73	31.43	53.66	0.688
Tanks	0	0	0	0	0	0	1.161	0.000
Generators	0.847	0.484	0.034	0.034	0.034	0.032	0.051	0.545
Natural Gas Units	5.154	6.135	0.466	0.466	0.466	0.037	0.337	0.000
<b>Total (after revision)</b>	<b>96.00</b>	<b>96.62</b>	<b>34.23</b>	<b>34.23</b>	<b>34.23</b>	<b>31.50</b>	<b>55.20</b>	<b>1.234</b>

Tanks emissions based on calculations completed using TANKS 4.0.9d software.

**Equivalency Factors Calculation**

<b>Pollutant</b>	<b>Emission Factors lb/gal</b>	
	<b>Diesel</b>	<b>Gasoline</b>
<b>NOx</b>	0.6086	0.470
<b>CO</b>	0.1311	0.770
<b>CO</b>	<b>0.1703</b>	gallons gasoline = 1 gallon diesel fuel
<b>NOx</b>	<b>0.7723</b>	gallons diesel fuel = 1 gallon gasoline