



March 7, 2006

Mr. Charles Knuckles  
Allison Transmission Division of General Motors Corporation  
4700 West 10<sup>th</sup> Street (M-29)  
Indianapolis, Indiana 46222

Re: 097-19373-00310  
First Significant Permit Modification to  
Part 70 Permit No.: T097-6898-00310

Dear Mr. Knuckles:

Allison Transmission Division of General Motors Corporation was issued a Part 70 Permit, T097-6898-00310, on June 21, 2004, for a transmission manufacturing and testing plant. Allison Transmission Division of General Motors Corporation petitioned for review of the permit on July 19, 2004. This petition was filed in the Office of Environmental Adjudication (OEA) under Cause Number 04-A-J-3385. This First Significant Permit Modification to the Part 70 Permit shows the changes made to the permit in order to settle the issues raised by the petition for review.

On March 7, 2005, Allison Transmission Division of General Motors Corporation filed an Administrative Amendment application, 097-21750-00310, with IDEM and the City of Indianapolis Office of Environmental Services (OES) to revise the diesel fuel usage equivalence for reciprocating engines of less than 600 horsepower and the corresponding report forms for diesel fuel usage equivalence. The revision of diesel fuel usage equivalence and the reporting forms is combined into the First Significant Permit Modification, 097-19373-00310.

This First Significant Permit Modification, 097-19373-00310, consists of changes to Conditions A.1, A.4, B.24, C.17, C.18, D.1.1, D.1.6, D.1.7, D.1.8, D.1.9, D.2.1, D.2.3, D.2.7, D.2.8, D.2.9, D.3.1, D.3.2, D.4.1, D.4.2, D.5.1, D.5.2, D.7.1, D.7.2, D.8.1 and the reporting forms for diesel fuel usage equivalence in reciprocating engines of less than 600 horsepower as stated in the attached Technical Support Document (TSD). All other conditions of the original Part 70 Permit, T097-6898-00310, shall remain unchanged and in effect. For your convenience, the entire revised permit has been provided.

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Mr. Mark Caraher, City of Indianapolis, Office of Environmental Services, 2700 South Belmont, Indianapolis, Indiana, 46221, or call (317) 327-2272.

Sincerely,

ORIGINAL SIGNED BY:

Felicia A. Robinson  
Manager of Environmental Planning  
Office of Environmental Services



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Attachments: Technical Support Document  
First Significant Permit Modification, 097-19373-00310

MBC

Cc: U.S. EPA, Region 5  
IDEM, OAQ  
Marion County Health Department  
OES files



**PART 70 OPERATING PERMIT  
 INDIANA DEPARTMENT of ENVIRONMENTAL MANAGEMENT  
 OFFICE OF AIR QUALITY  
 and  
 CITY of INDIANAPOLIS  
 OFFICE of ENVIRONMENTAL SERVICES**

**Allison Transmission Division of General Motors Corporation  
 4700 West 10<sup>th</sup> Street  
 Indianapolis, Indiana 46222**

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

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17 and the Code of Indianapolis and Marion County, Chapter 511. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to IAC 2-7-10.5, applicable to those conditions.

Operation Permit No.: T097-6898-00310	
Issued by: Original signed by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: June 21, 2004
Original signed by: John B. Chavez, Administrator Office of Environmental Services	Expiration Date: June 21, 2009

First Significant Permit Modification: 097-19373-00310	Conditions Affected: A.1; A.4; B.24; C.17; C.18; D.1.1; D.1.6; D.1.7; <del>D.1.8; D.1.9</del> ; D.2.1; D.2.3; D.2.7; D.2.8; <del>D.2.9</del> ; D.3.1; D.3.2; D.4.1; D.4.2; D.5.1; D.5.2; D.7.1; D.7.2; D.8.1; Test Cell/Test Stand Report Forms
Issued by:  ORIGINAL SIGNED BY:  Felicia A. Robinson Manager of Environmental Planning Office of Environmental Services	Issuance Date:  March 7, 2006  Expiration Date: June 21, 2009



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## SECTION A

## SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and the Indianapolis Office of Environmental Services (OES). The information describing the source contained in conditions A.1, A.3 and A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

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

The Permittee owns and operates a transmission manufacturing and testing plant under a Standard Industrial Classification Code (SIC) of 3568 (establishments primarily engaged in manufacturing mechanical power transmission equipment and parts).

Responsible Official:	General Director of Operations
Source Address:	4700 West 10 <sup>th</sup> Street, Indianapolis, Indiana 46222
Mailing Address:	4700 West 10 <sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222
SIC Code:	3568
County Location:	Marion
County Status:	Nonattainment for ozone under the 8-hour standard Nonattainment for PM2.5 Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act

### A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

This transmission manufacturing and testing plant consists of three (3) plants:

- (a) Plant 3 is located at 4700 West 10<sup>th</sup> Street, Indianapolis, IN 46254;
- (b) Plants 12 and 14 are both located at 901 Grande Avenue, Indianapolis, IN 46254

Since the three (3) plants are located on contiguous or adjacent properties, belong to the same industrial grouping and are under common control of the same entity, they will be considered one (1) source, effective from the date of issuance of this Part 70 permit.

This transmission manufacturing and testing operation consists of a source with an on-site contractor, both listed as follows:

- (a) Plants 3, 12 and 14, the primary operation and considered one (1) source, located at 4700 West 10<sup>th</sup> Street, Indianapolis, IN 46254 and 901 Grande Avenue, Indianapolis, IN 46254, respectively; and
- (b) Environmental Corporate Remediation Company (ENCORE), the on-site remediation systems contractor supporting operation, located at 4700 West 10<sup>th</sup> Street, Indianapolis, IN 46254.

IDEM, OAQ and OES have determined that Plant 3, 12 and 14 and the remedial activities operated by ENCORE, the on-site contractor, are each under the common control of the General Motors Corporation, and are, therefore, considered one source. Therefore, the term "source" in the Part 70 documents refers to both the Allison Transmission Division of General Motors and Environmental Corporate Remediation Company, Inc. (herein known as ENCORE) as one source.

One combined Part 70 permit will be issued to Allison Transmission Division of General Motors and Environmental Corporate Remediation Company (ENCORE) for the combined source.



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

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

- (a) One (1) Union Iron Works Boiler, identified as emission unit BLR 1, capable of combusting #4 reclaimed oil or #2 fuel oil, with a maximum capacity of thirty six (36) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3109 and constructed in 1940.
- (b) One (1) Union Iron Works Boiler, identified as emission unit BLR 2, capable of combusting #4 reclaimed oil, #2 fuel oil, and natural gas, with a maximum capacity of thirty six (36) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3110 and constructed in 1940.
- (c) One (1) Union Iron Works Boiler, identified as emission unit BLR 3, capable of combusting #4 reclaimed oil or #2 fuel oil, with a maximum capacity of forty eight (48) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3112 and constructed in 1942.
- (d) One (1) Union Iron Works Boiler, identified as emission unit BLR 4, capable of combusting #4 reclaimed oil, #2 fuel oil, and natural gas, with a maximum capacity of seventy two (72) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3107 and constructed in 1953.
- (e) One (1) Union Iron Works Boiler, identified as emission unit BLR 5, capable of combusting #4 reclaimed oil, #2 fuel oil, and natural gas, with a maximum capacity of ninety six (96) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3108 and constructed in 1969.
- (f) Emission Unit ETC consists of the following twenty five (25) engineering development transmission test cells; 701, 704, 705, 706, 707, 709, 710, 711, 712, 32N, 32S, 38N, 39N, 39S, 40N, 40S, 41N, 41S, 48N, 48S, 49N, 49S, 50, 51N and 51S. The emissions from each test cell 701, 704, 705, 706, 707, 709, 710, 711, 712, 32N, 32S, 38N, 39N, 39S, 40N, 40S, 41N, 41S, 48N, 48S, 49N, 49S, 50, 51N and 51S are exhausted out Stack/Vent PTE 057, PTE 065, PTE 067 PTE 069, PTE 071, PTE 075, PTE 077, PTE 079, PTE 080, PTE 008, PTE 006, PTE 011, PTE 018, PTE 020, PTE 013, PTE 014, PTE 023, PTE 021, PTE 040, PTE 041, PTE 086, PTE 087, PTE 093, PTE 084, and PTE 082, respectively. All test cells were constructed prior to 1977. Test cell 39N was modified during the 1980's. The table below lists the fuel type and engine type that each cell is capable of accommodating based on the physical characteristics of each cell.

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
701	Diesel	Reciprocating or Gas Turbine	4000
704	Diesel	Reciprocating	2400
705	Diesel	Reciprocating or Gas Turbine	2400 for reciprocating; 4000 for gas turbine
706	Diesel	Reciprocating	4000
707	Diesel	Reciprocating	2400
709	Diesel	Reciprocating	2400
710	Diesel	Reciprocating	1500

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
711	Diesel	Reciprocating	2400
712	Diesel	Reciprocating	1500
32N	Diesel	Reciprocating	2400
32S	Diesel	Reciprocating	1500
38N	Diesel	Reciprocating	4000
39N	Diesel	Reciprocating	2400
39S	Diesel	Reciprocating	1500
40N	Diesel	Reciprocating	1500
40S	Diesel	Reciprocating	1500
41N	Diesel	Reciprocating	1200
41S	Diesel	Reciprocating	1200
48N	Diesel	Reciprocating	1200
48S	Diesel	Reciprocating	1200
49N	Diesel	Reciprocating	1500
49S	Diesel	Reciprocating	1500
50	Diesel	Reciprocating	2400
51N	Diesel	Reciprocating	1200
51S	Gasoline or Diesel	Reciprocating	700

- (g) Emission unit DTC consists of the following four (4) transmission reliability test cells, TC-107, TC-109, TC-111 and TC-112. The emissions from test cells TC-107, TC-109, TC-111 and TC-112 are exhausted out stacks PTE045, PTE043, PTE049 and PTE050, respectively. All test cells were constructed in 1985. The following engines can be used in any one of the individual test cells mentioned above:

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
TC-107	Diesel	Reciprocating	1500
TC-109	Diesel	Reciprocating	1500
TC-111	Diesel	Reciprocating	1500
TC-112	Diesel	Reciprocating	1500

- (h) Emission unit PTS12 consists of the following two (2) transmission test stands, identified as test stand C-32 and C-33. Test stands C-32 and C-33 were constructed in 1976 and 1981 respectively. The emissions from test stands C-32 and C-33 are exhausted out stacks 12060 and 12058, respectively. The following engines can be used in any one of the individual test stands mentioned above:

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
C-32	Diesel	Reciprocating	600
C-33	Diesel	Reciprocating	600

- (i) Emission unit PTS14 consists of the following five (5) transmission test stands, identified as test stand O-1, O-2, O-24, O-25 and O-31. Test stands O-1, O-2, O-24, O-25 and O-31 were constructed in 1978, 1979, 1986, 1986, and 1984 respectively. The emissions from test stands O-1, O-2, O-24, O-25 and O-31 are exhausted out stacks 14041, 14038, 14024, 14023, and 14045, respectively. The following engines can be used in any one of the individual test stands mentioned above:

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
O-1	Diesel	Reciprocating	2400
O-2	Diesel	Reciprocating	2400
O-24	Diesel	Reciprocating	600
O-25	Diesel	Reciprocating	600
O-31	Diesel	Reciprocating	2400

- (j) Cold solvent degreasing using mineral spirits identified as emission unit CSD. Emissions are vented inside the building. Each degreasing unit was installed prior to 1977.
- (k) Transmission Test Cell 702 identified as Emission Unit ID ETC702 consisting of one (1) reciprocating engine firing diesel fuel at 8.55 million Btu per hour and exhausting at Stack/Vent ID PTE062. This emission unit can accommodate engines of greater than 600 horsepower. Constructed in 2002.

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

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour. [326 IAC 6.5-1-2]
- (b) Emergency diesel generators not exceeding 1600 horsepower. [326 IAC 6.5-1-2(a)]
- (c) Emergency Stationary fire pumps. [326 IAC 6.5-1-2(a)]
- (d) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6.5-1-2(a)]
  - (1) Shot Blast controlled with fabric filters. [326 IAC 6.5-1-2(a)]
- (e) Heat Treating. [326 IAC 6.5-1-2(a)]
- (f) Activities or categories of activities with individual HAP emissions not previously identified. Any unit emitting greater than 1 pound per day but less than 5 pounds per day or 1 ton per

year of a single HAP.

- (1) Production welding - manganese [326 IAC 6.5-1-2(a)]
- (g) One (1) soil and groundwater remediation system, identified as Emission Unit ENCORE, installed in 2003, consisting of [326 IAC 2-4.1]:
  - (1) Soil vapor extraction (SVE) system, including miscellaneous piping and:
    - (A) seventeen (17) soil vapor extraction wells;
    - (B) one (1) 90 gallon knock-out tank, and
    - (C) one (1) 30 -horsepower blower rated at 750 standard cubic feet per minute (scfm), with emissions exhausting to one (1) stack identified as SVE vent.
  - (2) Dense non-aqueous phase liquid (DNAPL)/groundwater recovery system, including miscellaneous piping, pneumatic pumps and:
    - (A) four (4) recovery wells; and
    - (B) one (1) 1000 gallon DNAPL/water storage tank, with emissions exhausting to one (1) stack identified as SVE vent.
- (h) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

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

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

## SECTION B

## GENERAL CONDITIONS

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

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

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

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

### B.3 Enforceability [326 IAC 2-7-7]

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- (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, the Indianapolis Office of Environmental Services (OES), the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.
- (b) The Indianapolis Air Pollution Control Board (IAPCB) has adopted by reference state rules listed in Attachment A of this permit. The version adopted by reference includes all amendments, additions and repeals filed with the Secretary of State through August 10, 1997 and published in the Indiana Register September 1, 1997, unless otherwise indicated in the adoption by reference. For the purposes of this permit, all state rules adopted by reference by the IAPCB are enforceable by OES using local enforcement procedures. 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.4 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

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

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

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

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

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

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- (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 "responsible official" as defined by 326 IAC 2-7-1(34). 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, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

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

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

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

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

and

Office of Environmental Services  
Air Quality Management Section, Data Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

and

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

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ 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 2-7-5(3); and
- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ and OES may require to determine the compliance status of the source.

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

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

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

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

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

and

Office of Environmental Services  
Air Quality Management Section, Data Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

The PMP extension notification does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.
- (c) A copy of the PMPs shall be submitted to IDEM, OAQ 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 is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMP does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation, Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP

requirements of 326 IAC 1-6-3 for that unit.

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

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

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

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

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

and

Office of Environmental Services  
Air Quality Management Section, Data Compliance  
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 2-7-5(3)(C)(ii) and must contain the following:

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



(C) Corrective actions taken.

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

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions) This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) IDEM, OAQ, and OES may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4-(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, 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 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

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

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

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

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, or OES shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the

information was submitted.

- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
  - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, or OES has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, or OES has issued the modification. [326 IAC 2-7-12(b)(8)]

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

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

**B.14 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]**

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

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

and

Office of Environmental Services  
Air Quality Management Section, Data Compliance  
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 do 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.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination**  
[326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, or 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 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, or 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 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ or OES at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ or OES may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

**B.16 Permit Renewal** [326 IAC 2-7-4]

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permits Branch, Office of Air Quality

100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

and

Office of Environmental Services  
Air Quality Management Section, Permits  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

- (b) Timely Submittal of Permit Renewal [326 IAC 2-7-4(a)(1)(D)]
- (1) A timely renewal application is one that is:
- (A) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
- (B) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ and OES on or before the date it is due.
- (2) If IDEM, OAQ and OES, upon receiving a timely and complete permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.
- (c) Right to Operate After Application for Renewal [326 IAC 2-7-3]  
If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ 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 being needed to process the application.
- (d) United States Environmental Protection Agency Authority [326 IAC 2-7-8(e)]  
If IDEM, OAQ and OES fails to act in a timely way on a Part 70 permit renewal, the U.S. EPA may invoke its authority under Section 505(e) of the Clean Air Act to terminate or revoke and reissue a Part 70 permit.

**B.17 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]**

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- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

and

Office of Environmental Services  
Air Quality Management Section, Permits  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]
- (d) No permit amendment or modification is required for the addition, operation or removal of a nonroad engine, as defined in 40 CFR 89.2.

**B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]**  
[326 IAC 2-7-12 (b)(2)]

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- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

**B.19 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]**

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

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

and

Office of Environmental Services  
Air Quality Management Section, Permits  
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 which document, on a rolling five (5) year basis, all such changes and emissions that are subject to 326 IAC 2-7-20(b), (c), or (e) and makes 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 2-7-20(b)(1), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade increases and decreases in emissions in the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.21 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [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, OES, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

and

Office of Environmental Services  
Air Quality Management Section, Permits  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

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

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

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ and OES 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, or OES, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative

enforcement action or revocation of this permit.

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

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314][326 IAC 1-1-6]

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



## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

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

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

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

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

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

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

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.6 Stack Height [326 IAC 1-7]

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

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

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

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

#### 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,  
Indianapolis, Indiana 46204-2251

and

Office of Environmental Services  
Air Quality Management Section, Data Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

- (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 "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ 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 source 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 2-7-5(1)] [326 IAC 2-7-6(1)]**

##### C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in the 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  
Indianapolis, Indiana 46204-2251

and

Office of Environmental Services  
Air Quality Management Section, Data Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 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 the "responsible official" as defined by 326 IAC 2-7-1(34).

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

**C.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.

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

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

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

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on April 4, 1997.
- (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.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]**

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

**C.14 Compliance Response Plan - Preparation, Implementation, Records and Reports [326 IAC 2-7-5] [326 IAC 2-7-6]**

- (a) The Permittee is required to prepare a Compliance Response Plan (CRP) for each compliance monitoring condition of this permit. 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, 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 steps.
  - (2) If, at any time, the Permittee takes reasonable response steps that are not set forth in the Permittee's current Compliance Response Plan and the Permittee documents such response in accordance with subsection (e) below, the Permittee shall amend its Compliance Response Plan to include such response steps taken.
- (b) For each compliance monitoring condition of this permit, reasonable response steps shall be taken when indicated by the provisions of that compliance monitoring condition as follows:
  - (1) Reasonable response steps shall be taken as set forth in the Permittee's current Compliance Response Plan; or
  - (2) If none of the reasonable response steps listed in the Compliance Response Plan

is applicable or responsive to the excursion, the Permittee shall devise and implement additional response steps as expeditiously as practical. Taking such an additional response steps shall not be considered a deviation from this permit so long as the Permittee documents such response steps in accordance with this condition.

- (3) If the Permittee determines that additional response steps would necessitate that the emissions unit or control device be shut down, and it will be 10 days or more until the unit or device will be shut down, then the Permittee shall promptly notify IDEM, OAQ and OES 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 the notification.
  - (4) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (c) The Permittee is not required to take any further response steps for any of the following reasons:
- (1) A false reading occurs due to the malfunction of the monitoring equipment and prompt action was taken to correct the monitoring equipment.
  - (2) The Permittee has determined that the compliance monitoring parameters established in the permit conditions are technically inappropriate, has previously submitted a request for a minor permit modification to the permit, and such request has not been denied.
  - (3) An automatic measurement was taken when the process was not operating.
  - (4) The process has already returned or is returning to operating within "normal" parameters and no response steps are required.
- (d) When implementing reasonable response 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 Condition B - Deviations from Permit Requirements and Conditions.
- (e) The Permittee shall record all instances when, in accordance with Section D, response steps are taken. In the event of an emergency, the provisions of 326 IAC 2-7-16 (Emergency Provisions) requiring prompt corrective action to mitigate emissions shall prevail.
- (f) Except as otherwise provided by a rule or provided specifically in Section D, all monitoring as required in Section D shall be performed when the emission unit is operating, except for time necessary to perform quality assurance and maintenance activities.

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

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ

that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

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

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

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

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)]  
[326 IAC 2-6]

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- (a) Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
  - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

This statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251

and

Office of Environmental Services  
Air Quality Management Section, Data Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-1.1-1(1).

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

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

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- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. Such records may be maintained in computerized form. 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) If there is a reasonable possibility that a “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in a significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with the following:
  - (1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, document and maintain the following records:
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
      - (i) Baseline actual emissions;
      - (ii) Projected actual emissions;
      - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-2(mm)(2)(A)(3); and
      - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
  - (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
  - (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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

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

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

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

and

Office of Environmental Services  
Air Quality Management Section, Data Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.
- (f) If the Permittee is required to comply with the record keeping provisions of (c) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ and OES:
- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i) by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq) for that regulated NSR pollutant, and
  - (2) The emissions differ from preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C - General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-1-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

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

and

Office of Environmental Services  
Air Quality Management Section, Data Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ and OES. The general public may request this information from the IDEM, OAQ and OES under 326 IAC 17.1

### **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 2-7-5(15)]

- (a) One (1) Union Iron Works Boiler, identified as emission unit BLR 1, capable of combusting #4 reclaimed oil or #2 fuel oil, with a maximum capacity of thirty six (36) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3109 and constructed in 1940.
- (b) One (1) Union Iron Works Boiler, identified as emission unit BLR 2, capable of combusting #4 reclaimed oil, #2 fuel oil, and natural gas, with a maximum capacity of thirty six (36) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3110 and constructed in 1940.
- (c) One (1) Union Iron Works Boiler, identified as emission unit BLR 3 capable of combusting #4 reclaimed oil or #2 fuel oil, with a maximum capacity of forty eight (48) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3112 and constructed in 1942.
- (d) One (1) Union Iron Works Boiler, identified as emission unit BLR 4, capable of combusting #4 reclaimed oil, #2 fuel oil, and natural gas, with a maximum capacity of seventy two (72) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3107 and constructed in 1953.
- (e) One (1) Union Iron Works Boiler, identified as emission unit BLR 5, capable of combusting #4 reclaimed oil, #2 fuel oil, and natural gas, with a maximum capacity of ninety six (96) million British thermal units (MMBtu) Btu per hour, exhausting out one stack identified as stack ID# 3108 and constructed in 1969.

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

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

#### D.1.1 Particulate Rules: Marion County [326 IAC 6.5-6-2(a)][326 IAC 6.5-6-2(b)]

- (a) Pursuant to 326 IAC 6.5-6-2(a), particulate (PM) emissions from emission units BLR 1, BLR 2, BLR 3, BLR 4 and BLR 5 shall be limited to:
  - (1) 0.15 pounds per million Btu for each emission unit; and
  - (2) 39.3 tons per year for all emission units combined.
- (b) Pursuant to 326 IAC 6.5-6-2(b), compliance with the particulate (PM) emissions limit in Condition D.1.1(a) shall be determined at the end of each month based on the sum of the monthly calculated emissions for the most recent twelve (12) consecutive month period. The monthly emissions shall be calculated using AP-42 emissions factors or alternative emission factors approved by the Commissioner.

#### D.1.2 Sulfur Dioxide Emission Limitations: Marion County [326 IAC 7-4-2]

Pursuant to 326 IAC 7-4-2, Sulfur Dioxide (SO<sub>2</sub>) emissions for emission units BLR 1, BLR 2, BLR 3, BLR 4, and BLR 5 are limited as specified below:

Emission Unit	Pounds per million Btu	Pounds per hour
BLR 1	1.88	67.6
BLR 2	1.88	67.6
BLR 3	1.88	90.2
BLR 4	1.88	135.2
BLR 5	1.88	180.3

**D.1.3 Non Applicability [40 CFR 60.40c]**

40 CFR Part 60.40c (Subpart Dc) does not apply to Boilers BLR 1 through BLR 5 since none of these boilers were constructed after June 9, 1989. The Permittee shall obtain prior approval prior to making any changes to any one of these boilers which would be considered a modification or reconstruction pursuant to 40 CFR Part 60.14 and 60.15.

**D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]**

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for emission units BLR 1, BLR 2, BLR 3, BLR 4 and BLR 5.

**Compliance Determination Requirements**

**D.1.5 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 3-7-4][326 IAC 7-2-1(c)]**

- (a) Compliance shall be determined utilizing one of the following options.
- (1) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the fuel oil sulfur content for Distillate Oil and reclaimed #4 fuel oil does not exceed 1.89 and 1.80 percent by weight, respectively, by either:
    - (A) Providing vendor analysis of fuel delivered, if accompanied by a certification; or
    - (B) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
      - (i) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
      - (ii) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or
  - (2) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from emission units BLR1, BLR2, BLR3, BLR4 and/or BLR5 in accordance with 326 IAC 3-6, utilizing the procedures in 40 CFR 60, Appendix A, Method 6, 6A, 6C, or 8. [326 IAC 7-2-1(d)]

A determination of noncompliance pursuant to either of the methods specified in (1) or (2) above shall not be refuted by evidence of compliance pursuant to the other method.

- (b) Pursuant to 326 IAC 7-2-1(c) and based on fuel sampling and analysis data obtained in accordance with procedures specified under 326 IAC 3-7-4, the Permittee shall submit to the Commissioner reports of calendar month average sulfur content, heat content, fuel consumption and sulfur dioxide emission rate in pounds per million Btu upon request.

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

### **D.1.6 Record Keeping Requirements**

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- (a) To document compliance with Condition D.1.2 and D.1.5, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) below shall be complete and sufficient to establish compliance with the SO<sub>2</sub> emission limit established in Condition D.1.2. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (1) Calendar dates covered in the compliance determination period;
  - (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
  - (3) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used.

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

- (4) Fuel supplier certifications.
  - (5) The name of the fuel supplier; and
  - (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.
- (b) Pursuant to Condition D.1.1(b), the Permittee shall maintain monthly fuel usage records for each boiler BLR 1, BLR 2, BLR 3, BLR 4 and BLR 5 that contains sufficient information to estimate emissions, including;
- (1) boiler identification and heat capacity;
  - (2) fuel usage for each type of fuel; and
  - (3) heat content of fuel.
- (c) To document compliance with Condition D.1.5(b), the Permittee shall maintain records of calendar month average sulfur content, heat content, fuel consumption and sulfur dioxide emission rate in pounds per million Btu.
- (d) To document compliance with Condition D.1.4, the Permittee shall maintain records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (e) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

### **D.1.7 Reporting Requirements**

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- (a) The Permittee shall submit a certification, signed by the responsible official, that certifies all of the fuels combusted during the period. The natural gas fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). The natural gas boiler certification shall be submitted to the addresses listed in Section C - General Reporting Requirements of this permit using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period

being reported.

- (b) A quarterly summary of the information to document compliance with Condition D.1.1(b) shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**SECTION D.2**

**FACILITY OPERATION CONDITIONS**

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

(f) Emission Unit ETC consists of the following twenty five (25) engineering development transmission test cells; 701, 704, 705, 706, 707, 709, 710, 711, 712, 32N, 32S, 38N, 39N, 39S, 40N, 40S, 41N, 41S, 48N, 48S, 49N, 49S, 50, 51N and 51S. The emissions from each test cell 701, 704, 705, 706, 707, 709, 710, 711, 712, 32N, 32S, 38N, 39N, 39S, 40N, 40S, 41N, 41S, 48N, 48S, 49N, 49S, 50, 51N and 51S are exhausted out Stack/Vent PTE 057, PTE 065, PTE 067 PTE 069, PTE 071, PTE 075, PTE 077, PTE 079, PTE 080, PTE 008, PTE 006, PTE 011, PTE 018, PTE 020, PTE 013, PTE 014, PTE 023, PTE 021, PTE 040, PTE 041, PTE 086, PTE 087, PTE 093, PTE 084, and PTE 082, respectively. All test cells were constructed prior to 1977. Test cell 39N was modified during the 1980's. The table below lists the fuel type and engine type that each cell is capable of accommodating based on the physical characteristics of each cell.

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
701	Diesel	Reciprocating or Gas Turbine	4000
704	Diesel	Reciprocating	2400
705	Diesel	Reciprocating or Gas Turbine	2400 for reciprocating; 4000 for gas turbine
706	Diesel	Reciprocating	4000
707	Diesel	Reciprocating	2400
709	Diesel	Reciprocating	2400
710	Diesel	Reciprocating	1500
711	Diesel	Reciprocating	2400
712	Diesel	Reciprocating	1500
32N	Diesel	Reciprocating	2400
32S	Diesel	Reciprocating	1500
38N	Diesel	Reciprocating	4000
39N	Diesel	Reciprocating	2400
39S	Diesel	Reciprocating	1500
40N	Diesel	Reciprocating	1500
40S	Diesel	Reciprocating	1500
41N	Diesel	Reciprocating	1200
41S	Diesel	Reciprocating	1200
48N	Diesel	Reciprocating	1200
48S	Diesel	Reciprocating	1200
49N	Diesel	Reciprocating	1500

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
49S	Diesel	Reciprocating	1500
50	Diesel	Reciprocating	2400
51N	Diesel	Reciprocating	1200
51S	Gasoline or Diesel	Reciprocating	700

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

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

#### **D.2.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]**

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from each of the twenty five (25) Test Cells covered under Emissions Unit ETC shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

#### **D.2.2 Sulfur Dioxide (SO<sub>2</sub>) [326 IAC 7-1.1-1]**

Pursuant to 326 IAC 7-1.1-1 (SO<sub>2</sub> Emissions Limitations), Sulfur Dioxide (SO<sub>2</sub>) emissions from Test Cells 701, 704, 705, 706, 707, 709, 711, 32N, 38N and 50 shall each not exceed five tenths (0.5) pounds per million Btu heat input.

#### **D.2.3 PSD Minor Limit [326 IAC 2-2]**

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable to Test Cell 39N:

- (a) NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Cell 39N shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The input of diesel fuel to reciprocating engines utilized in Test Cell 39N shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

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

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Emission Unit ETC.

### **Compliance Determination Requirements**

#### **D.2.5 Sulfur Dioxide Emissions and Sulfur Content**

Compliance for Test Cells 701, 704, 705, 706, 707, 709, 711, 32N, 38N and 50 shall be determined utilizing one of the following options.

- (a) Pursuant to 326 IAC 3-7-4, the Permittee shall demonstrate that the sulfur dioxide emissions do not exceed five-tenths (0.5) pounds per million Btu heat input by:
  - (1) Providing vendor analysis of fuel delivered, if accompanied by a certification; or

- (2) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.
  - (A) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and
  - (B) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling; or
- (b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to either of the methods specified in (a) or (b) above shall not be refuted by evidence of compliance pursuant to the other method.

#### D.2.6 Emission Factors and Performance Testing

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- (a) The Permittee shall use the following NO<sub>x</sub> emissions factors in conjunction with the actual throughput of diesel fuel fired in reciprocating engines utilized in Test Cell 39N to determine compliance with emissions limitation in Condition D.2.3:

Reciprocating Engine Size (horsepower)	NO <sub>x</sub> emissions factor
600 or less	0.6042 pounds per gallon of diesel fuel combusted
greater than 600	0.4384 pounds per gallon of diesel fuel combusted

- (b) Monthly NO<sub>x</sub> emissions shall be determined by the following equation:  
$$\text{NO}_x \text{ emissions (tons)} = \frac{(0.6042 \text{ lbs/gal} \times \text{gal throughput for engines 600 hp or less} + 0.4384 \text{ lbs/gal} \times \text{gal throughput for engines greater than 600 hp})}{2000 \text{ lbs NO}_x \text{ per ton NO}_x}$$
- (c) Pursuant to IC 13-15-7-1, IC 13-15-7-2, 326 IC 2-1.1-9(2) and 326 IAC 2-1.1-11 the IDEM, OAQ reserves the authority to require the Permittee to conduct performance tests to verify the emissions factors of this permit.
- (d) After issuance of this permit, if the performance test results indicate a discrepancy between the emission factors and the actual emissions rate observed during the test, the Permittee shall inform IDEM, OAQ, Permits Branch of such variation within 90 days of the submission of performance test report to IDEM.
- (e) Pursuant to IC 13-15-7-1, IC 13-15-7-2 and 326 IC 2-1.1-9(2), the IDEM, OAQ may re-evaluate the permit conditions and emissions factors. IDEM, OAQ may, at its discretion, use the authority under IC 13-15-7-2, IC 13-15-7-2 and/or 326 IAC 2-1.1-9(2) to re-open and revise the permit to more closely reflect the actual performance test results using permit amendment or modification procedures.

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

#### D.2.7 Record Keeping Requirements

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- (a) To document compliance with Condition D.2.2, the Permittee shall maintain records in accordance with (1) through (6) below. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.

- (1) Calendar dates covered in the compliance determination period;
- (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
- (3) A certification, signed by the owner or operator which is not necessarily the responsible official, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

- (4) Fuel supplier certifications.
  - (5) The name of the fuel supplier; and
  - (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.
- (b) To document compliance with Condition D.2.3 and Condition D.2.6, the Permittee shall:
- (1) Maintain monthly records of the diesel fuel throughput in Test Cell 39N for engines 600 horsepower or less and maintain monthly records of diesel fuel throughput in Test Cell 39N for engines greater than 600 horsepower.
  - (2) Maintain records of NO<sub>x</sub> emissions on a monthly basis using the emissions factors in Condition D.2.6 in conjunction with monthly diesel fuel throughput in Test Cell 39N to calculate emissions from Test Cell 39N.
- (c) To document compliance with Condition D.2.4, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.2.8 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.3 and Condition D.2.6 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).



### SECTION D.3 FACILITY OPERATION CONDITIONS

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

- (g) Emission unit DTC consists of the following four (4) transmission reliability test cells, TC-107, TC-109, TC-111 and TC-112. The emissions from test cells TC-107, TC-109, TC-111 and TC-112 are exhausted out stacks PTE045, PTE043, PTE049 and PTE050, respectively. All test cells were constructed in 1985. The following engines can be used in any one of the individual test cells mentioned above:

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
TC-107	Diesel	Reciprocating	1500
TC-109	Diesel	Reciprocating	1500
TC-111	Diesel	Reciprocating	1500
TC-112	Diesel	Reciprocating	1500

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

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

##### D.3.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from each of the Test Cells TC-107, TC-109, TC-111 and TC-112 shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

##### D.3.2 PSD Minor Limit [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable to Test Cells TC-107, TC-109, TC-111, TC-112:

- (a) Combined  $\text{NO}_x$  emissions from diesel fuel fired reciprocating engines utilized in Test Cells TC-107, TC-109, TC-111, TC-112 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The combined input of diesel fuel to reciprocating engines utilized in Test Cells TC-107, TC-109, TC-111, TC-112 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

#### Compliance Determination Requirements

##### D.3.3 Emission Factors and Performance Testing

- (c) The Permittee shall use the following  $\text{NO}_x$  emissions factors in conjunction with the actual throughput of diesel fuel fired in reciprocating engines utilized in Test Cells TC-107, TC-109, TC-111, TC-112 to determine compliance with emissions limitation in Condition D.3.2:

Reciprocating Engine Size (horsepower)	NO <sub>x</sub> emissions factor
600 or less	0.6042 pounds per gallon of diesel fuel combusted
greater than 600	0.4384 pounds per gallon of diesel fuel combusted

- (b) Monthly NO<sub>x</sub> emissions shall be determined by the following equation:
- $$\text{NO}_x \text{ emissions (tons)} = \frac{(0.6042 \text{ lbs/gal} \times \text{gal throughput for engines 600 hp or less} + 0.4384 \text{ lbs/gal} \times \text{gal throughput for engines greater than 600 hp})}{2000 \text{ lbs NO}_x \text{ per ton NO}_x}$$
- (c) Pursuant to IC 13-15-7-1, IC 13-15-7-2, 326 IC 2-1.1-9(2) and 326 IAC 2-1.1-11 the IDEM, OAQ reserves the authority to require the Permittee to conduct performance tests to verify the emissions factors of this permit.
- (d) After issuance of this permit, if the performance test results indicate a discrepancy between the emission factors and the actual emissions rate observed during the test, the Permittee shall inform IDEM, OAQ, Permits Branch of such variation within 90 days of the submission of performance test report to IDEM.
- (e) Pursuant to IC 13-15-7-1, IC 13-15-7-2 and 326 IC 2-1.1-9(2), the IDEM, OAQ may re-evaluate the permit conditions and emissions factors. IDEM, OAQ may, at its discretion, use the authority under IC 13-15-7-2, IC 13-15-7-2 and/or 326 IAC 2-1.1-9(2) to re-open and revise the permit to more closely reflect the actual performance test results using permit amendment or modification procedures.

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

#### **D.3.4 Record Keeping Requirements**

- (a) To document compliance with Condition D.3.2 and Condition D.3.3, the Permittee shall:
- (1) Maintain monthly records of the diesel fuel throughput in Test Cells TC-107, TC-109, TC-111, TC-112 for engines 600 horsepower or less and maintain monthly records of diesel fuel throughput in Test Cells TC-107, TC-109, TC-111, TC-112 for engines greater than 600 horsepower.
  - (2) Maintain records of NO<sub>x</sub> emissions on a monthly basis using the emissions factors in Condition D.3.3 in conjunction with monthly diesel fuel throughput in Test Cells TC-107, TC-109, TC-111, TC-112 to calculate combined NO<sub>x</sub> emissions from Test Cells TC-107, TC-109, TC-111, TC-112. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### **D.3.5 Reporting Requirements**

A quarterly summary of the information to document compliance with Condition D.3.2 and Condition D.3.3 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**SECTION D.4 FACILITY OPERATION CONDITIONS**

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

- (h) Emission unit PTS12 consists of the following two (2) Transmission Test Stands, identified as Test Stand C-32 and C-33. Test Stands C-32 and C-33 were constructed in 1976 and 1981, respectively. The emissions from Test Stands C-32 and C-33 are exhausted out stacks 12060 and 12058, respectively. The following engines can be used in any one of the individual test stands mentioned above:

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
C-32	Diesel	Reciprocating	600
C-33	Diesel	Reciprocating	600

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

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

**D.4.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]**

Pursuant to 326 IAC 6.5-1-2(a)(Particulate Matter Limitations Except Lake County), particulate (PM) emissions from Test Stands C-32 and C-33 each shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

**D.4.2 PSD Minor Limit [326 IAC 2-2]**

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable to Test Stand C-33:

- (a) NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Stand C-33 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The input of diesel fuel to reciprocating engines utilized in Test Stand C-33 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

**Compliance Determination Requirements**

**D.4.3 Emission Factors and Performance Testing**

- (a) The Permittee shall use the following NO<sub>x</sub> emissions factors in conjunction with the actual throughput of diesel fuel fired in reciprocating engines utilized in Test Stand C-33 to determine compliance with emissions limitation in Condition D.4.2:

Reciprocating Engine Size (horsepower)	NO <sub>x</sub> emissions factor
600 or less	0.6042 pounds per gallon of diesel fuel combusted
greater than 600	0.4384 pounds per gallon of diesel fuel combusted

- (b) Monthly NO<sub>x</sub> emissions shall be determined by the following equation:

$$\text{NO}_x \text{ emissions (tons)} = \frac{(0.6042 \text{ lbs/gal} \times \text{gal throughput for engines 600 hp or less} + 0.4384 \text{ lbs/gal} \times \text{gal throughput for engines greater than 600 hp})}{2000 \text{ lbs NO}_x \text{ per ton NO}_x}$$

- (c) Pursuant to IC 13-15-7-1, IC 13-15-7-2, 326 IC 2-1.1-9(2) and 326 IAC 2-1.1-11 the IDEM, OAQ reserves the authority to require the Permittee to conduct performance tests to verify the emissions factors of this permit.
- (d) After issuance of this permit, if the performance test results indicate a discrepancy between the emission factors and the actual emissions rate observed during the test, the Permittee shall inform IDEM, OAQ, Permits Branch of such variation within 90 days of the submission of performance test report to IDEM.
- (e) Pursuant to IC 13-15-7-1, IC 13-15-7-2 and 326 IC 2-1.1-9(2), the IDEM, OAQ may re-evaluate the permit conditions and emissions factors. IDEM, OAQ may, at its discretion, use the authority under IC 13-15-7-2, IC 13-15-7-2 and/or 326 IAC 2-1.1-9(2) to re-open and revise the permit to more closely reflect the actual performance test results using permit amendment or modification procedures.

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

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

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- (a) To document compliance with Condition D.4.2 and Condition D.4.3, the Permittee shall:
  - (1) Maintain monthly records of the diesel fuel throughput in Test Stand C-33 for engines 600 horsepower or less and maintain monthly records of diesel fuel throughput in Test Stand C-33 for engines greater than 600 horsepower.
  - (2) Maintain records of the NO<sub>x</sub> emissions on a monthly basis using the emissions factors in Condition D.4.3 in conjunction with monthly diesel fuel throughput in Test Stand C-33 to calculate NO<sub>x</sub> emissions from Test Stand C-33. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

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

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A quarterly summary of the information to document compliance with Condition D.4.2 and Condition D.4.3 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 calendar quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.5 FACILITY OPERATION CONDITIONS

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

- (i) Emission unit PTS14 consists of the following five (5) transmission test stands, identified as test stand O-1, O-2, O-24, O-25 and O-31. Test stands O-1, O-2, O-24, O-25 and O-31 were constructed in 1978, 1979, 1986, 1986, and 1984 respectively. The emissions from test stands O-1, O-2, O-24, O-25 and O-31 are exhausted out stacks 14041, 14038, 14024, 14023, and 14045, respectively. The following engines can be used in any one of the individual test stands mentioned above:

Test Cell ID	Fuel Type	Engine Type	Estimated Maximum Engine Size in Horsepower
O-1	Diesel	Reciprocating	2400
O-2	Diesel	Reciprocating	2400
O-24	Diesel	Reciprocating	600
O-25	Diesel	Reciprocating	600
O-31	Diesel	Reciprocating	2400

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

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

#### D.5.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a)(Particulate Matter Limitations Except Lake County), particulate (PM) emissions from each of the Test Stands O-1, O-2, O-24, O-25 and O-31 shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

#### D.5.2 PSD Minor Limit [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable to Test Stands O-1, O-2, O-24, O-25 and O-31, the following conditions shall apply:

- (a) Combined NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Stands O-1 and O-2 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The combined input of diesel fuel to reciprocating engines utilized in Test Stands O-1 and O-2 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.
- (c) Combined NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Stands O-24 and O-25 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (d) The combined input of diesel fuel to reciprocating engines utilized in Test Stands O-24 and O-25 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or

less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

- (e) NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Stand O-31 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (f) The input of diesel fuel to reciprocating engines utilized in Test Stand O-31 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

### Compliance Determination Requirements

#### D.5.3 Emission Factors and Performance Testing

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- (a) The Permittee shall use the following NO<sub>x</sub> emissions factors in conjunction with the actual throughput of diesel fuel fired in reciprocating engines utilized in Test Stands O-1, O-2, O-24, O-25 and O-31 to determine compliance with emissions limitation in Condition D.5.2:

Reciprocating Engine Size (horsepower)	NO <sub>x</sub> emissions factor
600 or less	0.6042 pounds per gallon of diesel fuel combusted
greater than 600	0.4384 pounds per gallon of diesel fuel combusted

- (b) Monthly NO<sub>x</sub> emissions shall be determined by the following equation:  
$$\text{NO}_x \text{ emissions (tons)} = \frac{(0.6042 \text{ lbs/gal} \times \text{gal throughput for engines 600 hp or less} + 0.4384 \text{ lbs/gal} \times \text{gal throughput for engines greater than 600 hp})}{2000 \text{ lbs NO}_x \text{ per ton NO}_x}$$
- (c) Pursuant to IC 13-15-7-1, IC 13-15-7-2, 326 IC 2-1.1-9(2) and 326 IAC 2-1.1-11 the IDEM, OAQ reserves the authority to require the Permittee to conduct performance tests to verify the emissions factors of this permit.
- (d) After issuance of this permit, if the performance test results indicate a discrepancy between the emission factors and the actual emissions rate observed during the test, the Permittee shall inform IDEM, OAQ, Permits Branch of such variation within 90 days of the submission of performance test report to IDEM.
- (e) Pursuant to IC 13-15-7-1, IC 13-15-7-2 and 326 IC 2-1.1-9(2), the IDEM, OAQ may re-evaluate the permit conditions and emissions factors. IDEM, OAQ may, at its discretion, use the authority under IC 13-15-7-2, IC 13-15-7-2 and/or 326 IAC 2-1.1-9(2) to re-open and revise the permit to more closely reflect the actual performance test results using permit amendment or modification procedures.

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

#### D.5.4 Record Keeping Requirements

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- (a) To document compliance with Condition D.5.2(b) and Condition D.5.3, for Test Stands O-1 and O-2, maintain monthly records of the diesel fuel throughput for engines 600 horsepower or less and maintain monthly records of diesel fuel throughput for engines greater than 600

horsepower. Maintain records of the combined NO<sub>x</sub> emissions on a monthly basis using the emissions factors in Condition D.5.3 in conjunction with combined monthly diesel fuel throughput in Test Stands O-1 and O-2 to calculate NO<sub>x</sub> emissions from Test Stand O-1 and O-2. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.

- (b) To document compliance with Condition D.5.2(d), for Test Stands O-24 and O-25, maintain monthly records of the diesel fuel throughput for engines 600 horsepower or less and maintain monthly records of diesel fuel throughput for engines greater than 600 horsepower. Maintain records of the combined NO<sub>x</sub> emissions on a monthly basis using the emissions factors in Condition D.5.3 in conjunction with combined monthly diesel fuel throughput in Test Stands O-24 and O-25 to calculate NO<sub>x</sub> emissions from Test Stand O-24 and O-25. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (c) To document compliance with Condition D.5.2(f), for Test Stand O-31, maintain monthly records of the diesel fuel throughput for engines 600 horsepower or less and maintain monthly records of diesel fuel throughput for engines greater than 600 horsepower. Maintain records of the NO<sub>x</sub> emissions on a monthly basis using the emissions factors in Condition D.5.3 in conjunction with monthly diesel fuel throughput in Test Stand O-31 to calculate emissions from Test Stand O-31. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.5.5 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.5.2 and Condition D.5.3 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 calendar quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.6 FACILITY OPERATION CONDITIONS

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

- (j) Cold solvent degreasing using mineral spirits identified as emission unit CSD. Emissions are in to the building. Each degreasing unit was installed prior to 1977.

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

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

#### D.6.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2][326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-2 (Organic Solvent Degreasing Operations: Cold Cleaner Operation), for cold cleaning operations existing as of January 1, 1980 located in Marion County, the Permittee shall:
- (1) Equip the cleaner with a cover;
  - (2) Equip the cleaner with a facility for draining cleaned parts;
  - (3) Close the degreaser cover whenever parts are not being handled in the cleaner;
  - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
  - (5) Provide a permanent, conspicuous label summarizing the operation requirements;
  - (6) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.
- (b) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs existing as of July 1, 1990, located in Marion County, the Permittee shall ensure that the following requirements are met:
- (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
    - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
    - (B) The solvent is agitated; or
    - (C) The solvent is heated.
  - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
  - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
  - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.



- (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
  - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
  - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
  - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (c) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the Permittee shall ensure that the following operating requirements are met:
  - (1) Close the cover whenever articles are not being handled in the degreaser.
  - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
  - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

## SECTION D.7 FACILITY OPERATION CONDITIONS

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

- (k) Transmission Test Cell 702 identified as Emission Unit ID ETC702 consisting of one (1) reciprocating engine firing diesel fuel with a maximum capacity of 8.55 million Btu per hour and exhausting at Stack/ Vent ID PTE062. This emission unit can accommodate engines of greater than 600 horsepower. Constructed in 2002.

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

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

#### D.7.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from Emission Unit ID ETC702 shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

#### D.7.2 PSD Minor Limit [326 IAC 2-2] [Significant Source Modification 097-15550-00310]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable to Test Cell 702:

- (a) NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Cell 702 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) Pursuant to Significant Source Modification 097-15550-00310 issued November 7, 2002, the input of diesel fuel to Test Cell 702 shall be less than 173,516 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

### Compliance Determination Requirements

#### D.7.3 Testing Requirements [326 IAC 2-7-6(1), (6)][326 IAC 2-1.1-11]

During the period between thirty (30) and thirty six (36) months after issuance of this Part 70 Permit, in order to demonstrate compliance with Condition D.7.2, the Permittee shall perform NO<sub>x</sub> emissions testing for Test Cell 702 utilizing methods approved by the Commissioner. Testing shall be conducted in accordance with Section C - Performance Testing.

#### D.7.4 Emission Factors and Performance Testing

- (a) The Permittee shall use the following NO<sub>x</sub> emissions factors in conjunction with the actual throughput of diesel fuel fired in reciprocating engines utilized in Test Cell 702 to determine compliance with emissions limitation in Condition D.7.2:

Reciprocating Engine Size (horsepower)	NO <sub>x</sub> emissions factor
600 or less	0.6042 pounds per gallon of diesel fuel combusted
greater than 600	0.4384 pounds per gallon of diesel fuel combusted

- (b) Monthly NO<sub>x</sub> emissions shall be determined by the following equation:

$$\text{NO}_x \text{ emissions (tons)} = \frac{(0.6042 \text{ lbs/gal} \times \text{gal throughput for engines 600 hp or less} + 0.4384 \text{ lbs/gal} \times \text{gal throughput for engines greater than 600 hp})}{2000 \text{ lbs NO}_x \text{ per ton NO}_x}$$

- (c) Pursuant to IC 13-15-7-1, IC 13-15-7-2, 326 IC 2-1.1-9(2) and 326 IAC 2-1.1-11 the IDEM, OAQ reserves the authority to require the Permittee to conduct performance tests to verify the emissions factors of this permit.
- (d) After issuance of this permit, if the performance test results indicate a discrepancy between the emission factors and the actual emissions rate observed during the test, the Permittee shall inform IDEM, OAQ, Permits Branch of such variation within 90 days of the submission of performance test report to IDEM.
- (e) Pursuant to IC 13-15-7-1, IC 13-15-7-2 and 326 IC 2-1.1-9(2), the IDEM, OAQ may re-evaluate the permit conditions and emissions factors. IDEM, OAQ may, at its discretion, use the authority under IC 13-15-7-2, IC 13-15-7-2 and/or 326 IAC 2-1.1-9(2) to re-open and revise the permit to more closely reflect the actual performance test results using permit amendment or modification procedures.

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

#### **D.7.5 Record Keeping Requirements**

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- (a) To document compliance with Condition D.7.2 and Condition D.7.4, the Permittee shall:
  - (1) Maintain monthly records of the diesel fuel throughput in Test Cell 702 for engines 600 horsepower or less and maintain monthly records of diesel fuel throughput in Test Cell 702 for engines greater than 600 horsepower.
  - (2) Maintain records of NO<sub>x</sub> emissions on a monthly basis using the emissions factors in Condition D.7.4 in conjunction with monthly diesel fuel throughput in Test Cell 702 to calculate NO<sub>x</sub> emissions from Test Cell 702. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (b) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### **D.7.6 Reporting Requirements**

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A quarterly summary of the information to document compliance with Condition D.7.2 and D.7.4 shall be submitted to the address(es) listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

## SECTION D.8

## FACILITY OPERATION CONDITIONS

### Insignificant Emitting Activities

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour. [326 IAC 6.5-1-2]
- (b) Emergency diesel generators not exceeding 1600 horsepower. [326 IAC 6.5-1-2(a)]
- (c) Emergency Stationary fire pumps. [326 IAC 6.5-1-2(a)]
- (d) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6.5-1-2(a)]
  - (1) Shot Blast controlled with fabric filters. [326 IAC 6.5-1-2(a)]
- (e) Heat Treating [326 IAC 6.5-1-2(a)]
- (f) Activities or categories of activities with individual HAP emissions not previously identified. Any unit emitting greater than 1 pound per day but less than 5 pounds per day or 1 ton per year of a single HAP.
  - (1) Production welding - manganese [326 IAC 6.5-1-2(a)]

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

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

#### D.8.1 Particulate Matter Limitations Except Lake County [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate Matter Limitations Except Lake County), particulate (PM) emissions from the natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, emergency diesel generators, emergency stationary fire pumps, grinding and machining operations, shot blast, heat treating operations and production welding each shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

### Compliance Determination Requirements

#### D.8.2 Particulate Control

In order to comply with D.8.1, the fabric filters for particulate control shall be in operation and control emissions from shot blasting at all times that the shot blasting units are in operation.

## SECTION D.9

## FACILITY OPERATION CONDITIONS

### Insignificant Emitting Activities

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

- (g) One (1) soil and groundwater remediation system, identified as Emission Unit ENCORE, installed in 2003, consisting of [326 IAC 2-4.1]:
- (1) Soil vapor extraction (SVE) system, including miscellaneous piping and:
    - (A) seventeen (17) soil vapor extraction wells;
    - (B) one (1) 90 gallon knock-out tank, and
    - (C) one (1) 30 -horsepower blower rated at 750 standard cubic feet per minute (scfm), with emissions exhausting to one (1) stack identified as SVE vent.
  - (2) Dense non-aqueous phase liquid (DNAPL)/groundwater recovery system, including miscellaneous piping, pneumatic pumps and:
    - (A) four (4) recovery wells; and
    - (B) one (1) 1000 gallon DNAPL/water storage tank, with emissions exhausting to one (1) stack identified as SVE vent.

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

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

#### D.9.1 HAP Minor Limit [326 IAC 2-4.1]

HAP emissions from Emission Unit ENCORE shall be less than ten (10) tons per twelve consecutive month period for any single HAP and shall be less than ten (10) tons per twelve consecutive month period of any combination of HAP. Compliance with this limit shall render the requirements of 326 IAC 2-4.1 (New Source Toxics Control) not applicable to Emission Unit ENCORE and shall render Allison Transmission Division a minor source of HAPs.

### Compliance Determination Requirements

#### D.9.2 Testing Requirement

The Permittee shall collect a grab sample of the exhaust stream from the SVE vent to determine HAP emission rates using Tedlar Bag Sampling - SOP 2101, USEPA, 10/21/94, modified to fill tedlar bags directly from the pump rather than to use a vacuum box. Collected samples will be analyzed using Modified Method TO-15. The Permittee shall establish a sample collection and analysis plan that is maintained and available for review by IDEM, OAQ and OES that outlines quality control procedures for sampling and analysis. Samples shall be collected at the following frequency:

- (a) Once per month during steady state operations; and
- (b) Once at any time additional wells are brought on line or the air flow rate from the individual wells is increased.

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

### **D.9.3 Record Keeping Requirements**

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To document compliance with Condition D.9.1, the Permittee shall maintain the following records related to HAP emissions from Emission Unit:

- (a) Monthly samples of HAP concentrations;
- (b) Records of HAP concentrations from any additional samples collected;
- (c) Air flow data from the system;
- (d) Hours of operation; and
- (e) Monthly individual HAP and any combination of HAP emission rates based on information collected in (a) through (d) above.

### **D.9.4 Reporting Requirements**

---

A quarterly summary of the information to document compliance with Condition D.9.1 shall be submitted to the address(es) listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

**PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Allison Transmission Division of General Motors Corporation  
Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis, Indiana, 46222  
Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
Part 70 Permit No.: 097-6898-00310

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE BRANCH  
100 North Senate Avenue  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-5674  
Fax: 317-233-5967  
and  
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
AIR QUALITY MANAGEMENT SECTION  
DATA COMPLIANCE  
2700 South Belmont Ave.  
Indianapolis Indiana 46221  
Phone: 317-327-2234  
Fax: 317-327-2274**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Allison Transmission Division of General Motors Corporation  
Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis, Indiana, 46222  
Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
Part 70 Permit No.: 097-6898-00310

**This form consists of 2 pages**

**Page 1 of 2**

<p><b>9</b> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none"><li><b>C</b> The Permittee must notify the Office of Air QUALITY (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-5674, ask for Compliance Section); and</li><li><b>C</b> The Permittee must submit notice or within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16</li></ul>
--

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

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



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

**Page 2 of 2**

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

Form Completed by: \_\_\_\_\_

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

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

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

A certification is not required for this report.

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

**PART 70 OPERATING PERMIT  
SEMI-ANNUAL NATURAL GAS FIRED BOILER CERTIFICATION**

Source Name: Allison Transmission Division of General Motors Corporation  
Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis, Indiana, 46222  
Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
Part 70 Permit No.: 097-6898-00310

<input checked="" type="checkbox"/> Natural Gas Only
<input checked="" type="checkbox"/> Alternate Fuel burned
From: _____ To: _____

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

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

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

**PART 70 OPERATING PERMIT  
QUARTERLY DEVIATION and COMPLIANCE MONITORING REPORT**

Source Name: Allison Transmission Division of General Motors Corporation  
Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis, Indiana, 46222  
Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
Part 70 Permit No.: 097-6898-00310

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

Page 1 of 2

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

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

**Permit Requirement** (specify permit condition #)

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

**Permit Requirement** (specify permit condition #)

**Date of Deviation:**

**Duration of Deviation:**

**Number of Deviations:**

**Probable Cause of Deviation:**

**Response Steps Taken:**

<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  
 COMPLIANCE DATA SECTION  
 and  
 INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES  
 AIR QUALITY MANAGEMENT SECTION  
 DATA COMPLIANCE  
 Part 70 Usage Report  
 (Submit Report Quarterly)**

Source Name: Allison Transmission Division of General Motors  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 Part 70 Permit No.: T097-6898-00310  
 Facility: BLR 1, BLR 2, BLR 3, BLR 4, and BLR 5  
 Parameter: Filterable PM emissions  
 Limit: 39.3 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

**Quarter:** \_\_\_\_\_ **Year:** \_\_\_\_\_

Month	Type of Fuel	Amount combusted this month	Amount combusted in the pervious 11 months	Filterable PM Emission Factor	Monthly Filterable PM Emissions (tons/month)	Twelve month sum of filterable PM Emissions (tons/12 months)
	#4 Reclaimed					
	Distillate Fuel					
	Natural Gas					
	#4 Reclaimed					
	Distillate Fuel					
	Natural Gas					
	#4 Reclaimed					
	Distillate Fuel					
	Natural Gas					

- 9 No deviation occurred in this month.
- 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  
 AIR QUALITY MANAGEMENT SECTION  
 DATA COMPLIANCE  
 Part 70 Usage Report  
 (Submit Report Quarterly)

Source Name: Allison Transmission Division of General Motors  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 Part 70 Permit No.: T097-6898-00310  
 Facility: Emission Unit ETC Test Cell 39N  
 Parameter: Diesel fuel usage; limit the potential to emit NO<sub>x</sub> in Test Cell 39N to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.  
 Limit: The input of diesel fuel to reciprocating engines utilized in Test Cell Stand 39N shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

Quarter: \_\_\_\_\_ Year: \_\_\_\_\_

	Column 1				Column 2				Column 1 + Column 2			
	This Month				Previous 11 Months				12 Month Total			
	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)
Month												
Month												
Month												

- 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  
 AIR QUALITY MANAGEMENT SECTION  
 DATA COMPLIANCE  
 Part 70 Usage Report  
 (Submit Report Quarterly)

Source Name: Allison Transmission Division of General Motors  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 Part 70 Permit No.: T097-6898-00310  
 Facility: Emission Unit DTC (TC-107, TC-109, TC-111 & TC-112)  
 Parameter: Combined diesel fuel usage; limit the combined potential to emit NO<sub>x</sub> in Test Cells TC-107, TC-109, TC-111 & TC-112 to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.  
 Limit: The combined input of diesel fuel to reciprocating engines utilized in Test Cells TC-107, TC-109, TC-111 & TC-112 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

Quarter: \_\_\_\_\_ Year: \_\_\_\_\_

	Column 1				Column 2				Column 1 + Column 2			
	This Month				Previous 11 Months				12 Month Total			
	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)
Month												
Month												
Month												

- ☉ No deviation occurred in this month.
- ☉ Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

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 Part 70 Usage Report  
 (Submit Report Quarterly)

Source Name: Allison Transmission Division of General Motors  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 Part 70 Permit No.: T097-6898-00310  
 Facility: Emission Unit PTS12 (Test Stand C-33 only)  
 Parameter: Diesel fuel usage; limit the potential to emit NO<sub>x</sub> in Test Stand C-33 to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.  
 Limit: The input of diesel fuel to reciprocating engines utilized in Test Stand C-33 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

Quarter: \_\_\_\_\_ Year: \_\_\_\_\_

	Column 1				Column 2				Column 1 + Column 2			
	This Month				Previous 11 Months				12 Month Total			
	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)
Month												
Month												
Month												

- ☉ No deviation occurred in this month.
- ☉ Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
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 Part 70 Usage Report  
 (Submit Report Quarterly)

Source Name: Allison Transmission Division of General Motors  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 Part 70 Permit No.: T097-6898-00310  
 Facility: Emission Unit PTS14 (Test Stands O-1 and O-2 only)  
 Parameter: Combined diesel fuel usage; limit the combined potential to emit NO<sub>x</sub> in Test Stands O-1 and O-2 to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.  
 Limit: The combined input of diesel fuel to reciprocating engines utilized in Test Stands O-1 and O-2 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

Quarter: \_\_\_\_\_ Year: \_\_\_\_\_

	Column 1				Column 2				Column 1 + Column 2			
	This Month				Previous 11 Months				12 Month Total			
	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)
Month												
Month												
Month												

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
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Source Name: Allison Transmission Division of General Motors  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 Part 70 Permit No.: T097-6898-00310  
 Facility: Emission Unit PTS14 (Test Stands O-24 and O-25 only)  
 Parameter: Combined diesel fuel usage; limit the combined potential to emit NO<sub>x</sub> in Test Stands O-24 and O-25 to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.  
 Limit: The combined input of diesel fuel to reciprocating engines utilized in Test Stands O-24 and O-25 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

Quarter: \_\_\_\_\_ Year: \_\_\_\_\_

	Column 1				Column 2				Column 1 + Column 2			
	This Month				Previous 11 Months				12 Month Total			
	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)
Month												
Month												
Month												

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

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 Part 70 Usage Report  
 (Submit Report Quarterly)

Source Name: Allison Transmission Division of General Motors  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 Part 70 Permit No.: T097-6898-00310  
 Facility: Emission Unit PTS14 (Test Stand O-31)  
 Parameter: Diesel fuel usage; limit the potential to emit NO<sub>x</sub> in Test Stand O-31 to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.  
 Limit: The input of diesel fuel to reciprocating engines utilized in Test Stand O-31 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

Quarter: \_\_\_\_\_ Year: \_\_\_\_\_

	Column 1				Column 2				Column 1 + Column 2			
	This Month				Previous 11 Months				12 Month Total			
	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)
Month												
Month												
Month												

- ☉ No deviation occurred in this month.
- ☉ Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

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 Part 70 Usage Report  
 (Submit Report Quarterly)

Source Name: Allison Transmission Division of General Motors  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 Part 70 Permit No.: T097-6898-00310  
 Facility: Emission Unit ETC702 (Test Cell 702)  
 Parameter: Diesel fuel usage; limit the potential to emit NO<sub>x</sub> in Test Cell 702 to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.  
 Limit: The input of diesel fuel to reciprocating engines utilized in Test Cell 702 shall be less than 173,516 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are equal to or less than 600 horsepower shall be equivalent to one and thirty seven hundredths (1.37) gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

Quarter: \_\_\_\_\_ Year: \_\_\_\_\_

	Column 1				Column 2				Column 1 + Column 2			
	This Month				Previous 11 Months				12 Month Total			
	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)
Month												
Month												
Month												

- 9 No deviation occurred in this month.
- 9 Deviation/s occurred in this quarter.

Deviation has been reported on: \_\_\_\_\_  
 Submitted by: \_\_\_\_\_  
 Title / Position: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Phone: \_\_\_\_\_

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Source Name: Allison Transmission Division of General Motors  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 Part 70 Permit No.: T097-6898-00310  
 Facility: Emission Unit ENCORE  
 Parameter: Single HAP and Combined HAP emissions  
 Limit: HAP emissions from emission unit ENCORE shall be limited to less than ten (10) tons per twelve consecutive month for any single HAP and shall be limited to less than ten (10) tons per twelve consecutive month period of any combination of HAP.

Quarter: \_\_\_\_\_ Year: \_\_\_\_\_

	HAP Emissions this Month		HAP Emissions Previous 11 months		Twelve Consecutive Month Total	
	Single HAP	Combined HAP	Single HAP	Combined HAP	Single HAP	Combined HAP
Month 1						
Month 2						
Month 3						

- 9 No deviation occurred in this month.
- 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.

## Attachment A

The following state rule have been adopted by reference by the Indianapolis Air Pollution Control Board and are enforceable by Indianapolis Office of Environmental Services (OES) using local enforcement procedures.

- (1) 326 IAC 1-1-1 through 1-1-3 and 1-1-5;
- (2) 326 IAC 1-2-1 through 1-2-91 (In addition, the IAPCB has adopted several local definitions);
- (3) 326 IAC 1-3-1 through 1-3-4;
- (4) 326 IAC 1-4-1 (The IAPCB added to the adoption by reference a citation to 61 FR 58482 (November 15, 1996));
- (5) 326 IAC 1-5-1 through 1-5-5;
- (6) 326 IAC 1-6-1 through 1-6-6;
- (7) 326 IAC 1-7-1 through 1-7-5
- (8) 326 IAC 2-3-1 through 2-3-5;
- (9) 326 IAC 2-4-1 through 2-4-6;
- (10) 326 IAC 2-6-1 through 2-6-4;
- (11) 326 IAC 2-7-1 through 2-7-18, 2-7-20 through 2-7-25;
- (12) 326 IAC 2-8-1 through 2-8-15, 2-8-17 through 2-8-10;
- (13) 326 IAC 2-9-1 through 2-9-14;
- (14) 326 IAC 2-10-1 through 2-10-5 (The IAPCB adoption adds the language "state or local" immediately after the word "federal" in 326 IAC 2-10-1);
- (15) 326 IAC 2-11-1, 2-11-3 and 2-11-4 (The IAPCB adoption adds the language "federal, state or local" immediately after the word "by" in 326 IAC 2-11-1);
- (16) 326 IAC 3-1.1-1 through 3-1.1-5;
- (17) 326 IAC 3-2.1-1 through 3-2.1-5;
- (18) 326 IAC 3-3-1 through 3-3-5;
- (19) 326 IAC 4-2-1 through 4-2-2;
- (20) 326 IAC 5-1-1 (a), (b) and c) (5), 5-1-2 (1), (2)(A), (2)c) (4), 5-1-3 through 5-1-5, 5-1-7;
- (21) 326 IAC 7-1.1-1 and 7-1.1-2;
- (22) 326 IAC 7-2-1;
- (23) 326 IAC 7-3-1 and 7-3-2;
- (24) 326 IAC 7-4-2(28) through (31) (Instead of adopting by reference 7-4-2(1) through (27), the IAPCB regulation substitutes the same requirements listed in a format in which the companies are alphabetized and emission points known to no longer exist have been deleted);
- (25) 326 IAC 8-1-0.5 except (b), 8-1-1 through 8-1-2, 8-1-3 except c), (g) and (i), 8-1-5 through 8-1-12;
- (26) 326 IAC 8-2-1 through 8-2-12 (The IAPCB adoption by reference of 8-2- 5 adds additional language specific to Zimmer Paper Products, Incorporated as subpart c);
- (27) 326 IAC 8-3-1 through 8-3-7;
- (28) 326 IAC 8-4-1 through 8-4-5, 8-4-6 (a)(6), (a)(8) and (a)(14) and 8-4-6(b)(1), (b)(3) and 8-4-6c) (In place of 8-4-6(b)(2), which was not adopted, the IAPCB adopted language requiring a pressure relief valve set to release at no less than four and eight-tenths (4.8) Kilo Pascals (seven-tenths (0.7) pounds per square inch)), 8-4-7 except (e), 8-4-8 and 8-4-9;
- (29) 326 IAC 8-5-1 through 8-5-4, 8-5-5 except (a)(3) and (d)(3);
- (30) 326 IAC 8-6-1 and 8-6-2;
- (31) 326 IAC 9-1-1 and 9-1-2;
- (32) 326 IAC 11-1-1 through 11-1-2;
- (33) 326 IAC 11-2-1 through 11-2-3;
- (34) 326 IAC 11-3-1 through 11-3-6;
- (35) 326 IAC 14-1-1 through 14-1-4;

Attachment A continued

- (36) 326 IAC 14-2-1 except 40 CFR 61.145;
- (37) 326 IAC 14-3-1;
- (38) 326 IAC 14-4-1;
- (39) 326 IAC 14-5-1;
- (40) 326 IAC 14-6-1;
- (41) 326 IAC 14-7-1;
- (42) 326 IAC 14-8-1 through 14-8-5;
- (43) 326 IAC 15-1-1, 15-1-2(a)(1), (a)(2) and (a)(8), 15-1-3 and 15-1-4;
- (44) 326 IAC 20-1-1 through 20-1-4 (In 20-1-3(b)(2) the adoption states that "permitting authority" means the commissioner of IDEM or the administrator of OES, whichever is applicable);
- (45) 326 IAC 20-2-1;
- (46) 326 IAC 20-3-1;
- (47) 326 IAC 20-4-1;
- (48) 326 IAC 20-5-1;
- (49) 326 IAC 20-6-1;
- (50) 326 IAC 20-7-1;
- (51) 326 IAC 20-8-1;
- (52) 326 IAC 20-9-1;
- (53) 326 IAC 20-14-1;
- (54) 326 IAC 20-15-1;
- (55) 326 IAC 20-16-1;
- (56) 326 IAC 20-17-1;
- (57) 326 IAC 20-18-1;
- (58) 326 IAC 20-19-1;
- (59) 326 IAC 20-20-1;
- (60) 326 IAC 20-21-1;
- (61) 326 IAC 21-1-1 (The adoption states that "or the administrator of OES" is added in (b));
- (62) 326 IAC 22-1-1 (The adoption states that "or the administrator of OES" is added in (b)).

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

**Technical Support Document (TSD) for a Significant Permit  
Modification to a Part 70 Operating Permit**

**Source Background and Description**

<b>Source Name:</b>	<b>Allison Transmission Division of General Motors Corporation</b>
<b>Source Location:</b>	<b>4700 West 10<sup>th</sup> Street, Indianapolis, Indiana 46222</b>
<b>County:</b>	<b>Marion</b>
<b>SIC Code:</b>	<b>3568</b>
<b>Operation Permit No.:</b>	<b>T097-6898-00310</b>
<b>Operation Permit Issuance Date:</b>	<b>June 21, 2004</b>
<b>Permit Modification No.:</b>	<b>097-19373-00310</b>
<b>Permit Reviewer:</b>	<b>M. Caraher</b>

The Office of Air Quality (OAQ) and the City of Indianapolis Office of Environmental Services (OES) have reviewed a Part 70 permit modification application from Allison Transmission Division of General Motors Corporation (hereafter, stated as Allison) relating to the operation of a transmission manufacturing and testing plant under a Standard Industrial Classification Code (SIC) of 3568 (establishments primarily engaged in manufacturing mechanical power transmission equipment and parts).

**History**

On June 21, 2004, Allison was issued Part 70 Operating Permit 097-6898-00310. Allison petitioned for review of the Part 70 Operating Permit on July 19, 2004. This petition was filed with the Office of Environmental Adjudication under Cause No. 04-A-J-3385. This permit modification shows the changes made to the Part 70 Permit in order to settle issues raised by the petition for review.

On March 7, 2005, Allison submitted an Administrative Amendment application, 097-21750-00310, to revise the conversion factor for fuel usage equivalents in engines less than or equal to 600 horsepower from 0.73 to 1.37 in Conditions D.2.3(b), D.3.2(b), D.4.2(b), D.5.2(b), (d) and (f) and in Condition D.7.2(b). In addition, Allison requests that this figure be similarly revised on corresponding reporting forms.

**Justification for the Modification**

The petition requesting changes to the existing Part 70 Operating Permit for Allison, 097-6898-00310, has been processed as a Significant Permit Modification pursuant to the provisions of 326 IAC 2-7-12(d)(1) (Significant Permit Modification) whereby "every significant change in existing Part 70 permit terms or conditions and every relaxation of reporting or record keeping permit terms or conditions shall be considered significant." The Administrative Amendment application, 097-21750-00310, received on March 7, 2005 is combined into this Significant Permit Modification, 097-19373-00310. In addition, IDEM, OAQ and OES are making additional changes to the Part 70 Operating Permit in this review to address PM2.5 nonattainment, 326 IAC rule changes since June 21, 2004 and to update to the new OAQ mail address.



## Existing Approvals

Allison was issued an initial Part 70 Operating Permit, 097-6898-00310, on June 21, 2004.

## Recommendation

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

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

An application for the purposes of this review was received on July 19, 2004, with additional information received on March 7, 2005 and on December 7, 2005.

## Conclusion

The operation of this transmission manufacturing and testing plant shall be subject to the conditions of the attached Part 70 Significant Permit Modification No. 097-19373-00310.

### CHANGES to the PART 70 OPERATING PERMIT

The Part 70 Operating Permit has been modified as follows: (**bold** to show additions and ~~strikeout~~ to show deletions; any change made is also made to the Table of Contents, if affected):

#### Appeal Issue No. 1: Condition B.24 (Credible Evidence)

Allison objects to this Condition. It incorporates a provision that is not an applicable requirement to be included in the Title V Permit. Moreover, it is contrary to the permit shield provision of Condition B.12. Condition B.12 states that "compliance with the conditions of this permit shall be deemed in compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable."

Condition B.24 states that "notwithstanding the Conditions of this Permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or Condition of this Permit." This new provision, which until recently has not been included in any Title V permit issued by IDEM or OES, conflicts with B.12 in that the permittee's compliance with the test methods in the permit no longer establishes a permit shield. Moreover, this provision is inconsistent with the underlying applicable requirements which clearly establish test methods for determining compliance with emission limits.

Moreover, this provision was included in the final permit without explanation and without having been included in either the draft permit published for comment or the proposed permit sent to U.S. EPA for review. To address Allison's objection, this condition should be deleted from the permit.

#### Response No. 1:

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 became effective March 16, 2005. The existing Condition B.24 (Credible Evidence) must be revised to reflect the provisions of 326 IAC 1-1-6 and is revised as follows:

**B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]**

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

~~Notwithstanding the Conditions of this Permit that state specific methods that may be used to demonstrate compliance with, or a violation of, applicable requirements, any person (including the Permittee) may also use other credible evidence to demonstrate compliance with, or a violation of, any term or Condition of this Permit.~~

Appeal Issue No. 2: Condition D.1.9 (Used Oil Requirements)

Allison objects to this condition (including all associated monitoring, record keeping and reporting provisions in the permit) because it is not an applicable requirement under 326 IAC 2-7-1(6) and, therefore, is not permitted to be included in the Title V permit. To address Allison's objection, this condition should be deleted from the permit.

Response No. 2:

This condition is not an applicable requirement under the Clean Air Act and is now deleted from the Part 70 Operating Permit as follows:

~~D.1.9 Used Oil Requirements [329 IAC 13]~~

~~The waste oil burned in the emission units BLR 1, BLR 2, BLR 3, BLR 4 and BLR 5 shall comply with the used oil requirements specified in 329 IAC 13 (Used Oil Management). Pursuant to 329 IAC 13-3-2 (Used Oil Specifications), used oil burned for energy recovery that is classified as off-specification used oil fuel shall comply with the provisions of 329 IAC 13-8 (Used Oil Burners Who Burn Off-specification Used Oil For Energy Recovery), including:~~

- ~~(a) Receipt of an EPA identification number as outlined in 329 IAC 13-8-3 (Notification);~~
- ~~(b) Compliance with the used oil storage requirements specified in 329 IAC 13-8-5 (Used Oil Storage), and~~
- ~~(c) Maintaining records pursuant to 329 IAC 13-8-6 (Tracking).~~

~~The burning of mixtures of used oil and hazardous waste that is regulated under 329 IAC 3.1 is prohibited at this source.~~

Appeal Issue No. 3: Condition D.1.6 (Visible Emissions Notations)

Allison objects to this condition (including all associated monitoring, record keeping and reporting provisions in the permit). It imposes a requirement that Allison conduct visible emission observations once per shift whenever firing oil in a boiler. This requirement is unreasonable and unlawful for several reasons. First, it requires an observation on third shift, when there may be only a few minutes of daylight that is appropriate to make such an observation. Second, observations three times a day go beyond what is needed to provide an assurance of compliance with the opacity standard to which these monitoring requirements relate. IDEM and OES are limited to imposing requirements that are necessary to provide a reasonable assurance of compliance. These boilers have no history of visible emissions incidents when firing natural gas or oil and have a clean compliance record. Allison's objection to this provision can be resolved by requiring that an initial visible emissions observation be made the first full day that oil is burned in a boiler to verify that the unit is operating properly and then weekly thereafter. Allison's proposed permit language is as follows:

D.1.6 Visible Emissions Notations

- (a) Visible emission notations of emission unit BLR 1, BLR 2, BLR 3 BLR 4 and BLR 5 stack exhaust shall be performed once **on the first full day per shift** during normal daylight operations when the emission unit is firing distillate fuel oil or reclaimed # 4 fuel oil **and once during each subsequent week that the permittee continues to fire oil**. A trained employee shall record whether emissions are normal or abnormal.

Response No. 3:

The establishment of visible emission notation requirements for the five (5) boilers in the initial Part 70 Operating Permit was based on the potential to emit sulfur dioxide (SO<sub>2</sub>) not on potential or actual particulate matter (PM) emissions. None of these five (5) boilers have actual PM emissions greater than ten (10) pounds per hour or have the potential to emit PM greater than twenty five (25) tons per year. Combined actual particulate matter emissions from all five (5) boilers in Section D.1 has been less than ten (10) tons per year for 2002, 2003 and 2004. Therefore, the visible emission notation requirements in Condition D.1.6 and the associated record keeping provisions in Condition D.1.7(e) are deleted (along with the renumbering of the remaining Section D.1 conditions). Conditions D.1.6 and D.1.67(d) are deleted as follows:

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

~~D.1.6 Visible Emissions Notations~~

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- ~~(a) Visible emission notations of emission unit BLR 1, BLR 2, BLR 3 BLR 4 and BLR 5 stack exhaust shall be performed once per shift during normal daylight operations when the emission unit is firing distillate fuel oil or reclaimed # 4 fuel oil. A trained employee shall record whether emissions are normal or abnormal.~~
- ~~(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.~~
- ~~(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.~~
- ~~(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.~~
- ~~(e) The Compliance Response Plan for these units shall contain troubleshooting contingency and response steps for when an abnormal emission is observed. Failure to take response steps in accordance with Section C - Compliance Response Plan - Preparation, Implementation, Records and Reports, shall be considered a deviation from this permit.~~

~~D.1.67 Record Keeping Requirements~~

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- (a) To document compliance with Condition D.1.2 and D.1.5, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) below shall be complete and sufficient to establish compliance with the SO<sub>2</sub> emission limit established in Condition D.1.2. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (1) Calendar dates covered in the compliance determination period;
  - (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
  - (3) To certify compliance when burning natural gas only, the Permittee shall maintain

records of fuel used.

If the fuel supplier certification is used to demonstrate compliance, when burning alternate fuels and not determining compliance pursuant to 326 IAC 3-7-4, the following, as a minimum, shall be maintained:

- (4) Fuel supplier certifications.
  - (5) The name of the fuel supplier; and
  - (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.
- (b) Pursuant to Condition D.1.1(b), the Permittee shall maintain monthly fuel usage records for each boiler BLR 1, BLR 2, BLR 3, BLR 4 and BLR 5 that contains sufficient information to estimate emissions, including;
- (1) boiler identification and heat capacity;
  - (2) fuel usage for each type of fuel; and
  - (3) heat content of fuel.
- (c) To document compliance with Condition D.1.5(b), the Permittee shall maintain records of calendar month average sulfur content, heat content, fuel consumption and sulfur dioxide emission rate in pounds per million Btu.
- ~~(d) To document compliance with Condition D.1.6, the Permittee shall maintain records of once per shift visible emission notations of emission units BLR 1, BLR 2, BLR 3, BLR 4 and BLR 5 stack exhausts when combusting distillate fuel oil or reclaimed # 4 fuel oil.~~
- ~~(d)~~ (e) To document compliance with Condition D.1.4, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.
- ~~(e)~~ (f) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

#### D.1.78 Reporting Requirements

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- (a) The Permittee shall submit a certification, signed by the responsible official, that certifies all of the fuels combusted during the period. The natural gas fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). The natural gas boiler certification shall be submitted to the addresses listed in Section C - General Reporting Requirements of this permit using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported.
- (b) A quarterly summary of the information to document compliance with Condition D.1.1(b) shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the reporting form located at the end of this permit, or its equivalent, within thirty (30) days after the end of the calendar quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

#### Appeal Issue No. 4: Condition D.2.7 (Visible Emissions Notations)

Allison objects to this condition (including all associated monitoring, record keeping and reporting provisions in the permit). It imposes a requirement that Allison conduct visible emission observations once per shift whenever exhausting to the atmosphere. This requirement is

unreasonable and unlawful for several reasons. First, it requires an observation on third shift, when there may be only a few minutes of daylight that is appropriate to make such an observation. Second, making observations during third shift presents safety concerns for the plant workers. Third, observations three times a day go beyond what is needed to provide an assurance of compliance with the opacity standard to which these monitoring requirements relate. IDEM and OES are limited to imposing requirements that are necessary to provide a reasonable assurance of compliance. In this case, the test cells fire distillate oil, and it is only when there is a malfunction of one of the transmission/engine combinations being tested that any opacity issue would occur. Given that it is rare that an engine will cause any opacity at all at this facility, it is excessive and burdensome to require observations every 8 hours and goes well beyond providing a reasonable assurance of compliance. IDEM has already required a preventive maintenance plan for these units in Condition D.2.4. Accordingly, it would be far more reasonable to require observations, if any, on a monthly basis.

#### D.2.7 Visible Emissions Notations

- (a) Visible emission notations of Emission Unit ETC stack exhausts for Test Cell(s) 701 (Stack/Vent PTE 057), 704 (Stack/Vent PTE 065), 705 (Stack/Vent PTE 067), 706 (Stack/Vent PTE 069), 707 (Stack/Vent PTE 071), 709 (Stack/Vent PTE 075), 711 (Stack/Vent PTE 079), 32N (Stack/Vent PTE 008), 38N (Stack/Vent PTE 011), 39N (PTE 018) and 50 (Stack/Vent PTE 093) shall be performed once per **month shift** during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

#### Response No. 4:

The establishment of visible emission notation requirements for these specific Test Cells in the initial Part 70 Operating Permit was based on the potential to emit sulfur dioxide (SO<sub>2</sub>) not on potential or actual particulate matter (PM) emissions. None of these Test Cells have actual PM emissions greater than ten (10) pounds per hour or have the potential to emit PM greater than twenty five (25) tons per year. Combined actual particulate matter emissions from all twenty five (25) Development Test Cells in Section D.2 has been less than ten (10) tons per year for 2002, 2003 and 2004. Therefore, the visible emission notation requirements in Condition D.2.7 and the associated record keeping provisions in Condition D.2.8 are deleted (along with the renumbering of the remaining Section D.2 conditions). Conditions D.2.7 and D.2.78(c) are deleted as follows:

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

#### ~~D.2.7 Visible Emissions Notations~~

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- ~~(a) Visible emission notations of Emission Unit ETC stack exhausts for Test Cell(s) 701 (Stack/Vent PTE 057), 704 (Stack/Vent PTE 065), 705 (Stack/Vent PTE 067), 706 (Stack/Vent PTE 069), 707 (Stack/Vent PTE 071), 709 (Stack/Vent PTE 075), 711 (Stack/Vent PTE 079), 32N (Stack/Vent PTE 008), 38N (Stack/Vent PTE 011), 39N (PTE 018) and 50 (Stack/Vent PTE 093) shall be performed once per shift during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.~~
- ~~(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.~~
- ~~(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.~~
- ~~(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.~~

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

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

D.2.78 Record Keeping Requirements

- (a) To document compliance with Condition D.2.2, the Permittee shall maintain records in accordance with (1) through (6) below. Records necessary to demonstrate compliance shall be available within thirty (30) days of the end of each compliance period.
- (1) Calendar dates covered in the compliance determination period;
  - (2) Actual fuel oil usage since last compliance determination period and equivalent sulfur dioxide emissions;
  - (3) A certification, signed by the owner or operator which is not necessarily the responsible official, that the records of the fuel supplier certifications represent all of the fuel combusted during the period; and

If the fuel supplier certification is used to demonstrate compliance the following, as a minimum, shall be maintained:

- (4) Fuel supplier certifications.
  - (5) The name of the fuel supplier; and
  - (6) A statement from the fuel supplier that certifies the sulfur content of the fuel oil.
- (b) To document compliance with Condition D.2.3 and Condition D.2.6, the Permittee shall:
- (1) Maintain monthly records of the diesel fuel throughput in Test Cell 39N for engines 600 horsepower or less and maintain monthly records of diesel fuel throughput in Test Cell 39N for engines greater than 600 horsepower.
  - (2) Maintain records of NO<sub>x</sub> emissions on a monthly basis using the emissions factors in Condition D.2.6 in conjunction with monthly diesel fuel throughput in Test Cell 39N to calculate emissions from Test Cell 39N.

~~(c)~~ To document compliance with Condition D.2.7, the Permittee shall maintain records of visible emission notations of Test Cell(s) 701 (Stack/Vent PTE 057), 704 (Stack/Vent PTE 065), 705 (Stack/Vent PTE 067), 706 (Stack/Vent PTE 069), 707 (Stack/Vent PTE 071), 709 (Stack/Vent PTE 075), 711 (Stack/Vent PTE 079), 32N (Stack/Vent PTE 008), 38N (Stack/Vent PTE 011), 39N (PTE 018) and 50 (Stack/Vent PTE 093) stack exhaust.

~~(c)~~ (d) To document compliance with Condition D.2.4, the Permittee shall maintain of records of any additional inspections prescribed by the Preventive Maintenance Plan.

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

D.2.89 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.2.3 and Condition D.2.6 shall be submitted to the addresses listed in Section C - General Reporting Requirements, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the calendar quarter being reported. The report submitted

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

OAQ/OES Change No. 1:

On March 7, 2005 Allison requested the conversion factor for fuel usage equivalents for engines equal to or less than 600 horsepower be revised from 0.73 to 1.37 for Conditions D.2.3(b), D.3.2(b), D.4.2(b), D.5.2(b), (d) and (f) and for Condition D.7.2(b). In addition, Allison requests that this figure be similarly revised on each corresponding reporting form. The requested change, Administrative Amendment 097-21750-00310, is combined into this Significant Permit Modification.

The diesel fuel use limitations of Conditions D.2.3(b), D.3.2(b), D.4.2(b), D.5.2(b), (d) and (f) and Condition D.7.2(b) in the Part 70 Operating Permit, 097-6898-00310, were calculated using the AP-42 NO<sub>x</sub> emission factor for engines of greater than 600 horsepower because the majority of test cells and test stands are rated for engines of greater than 600 horsepower. Reciprocating engines equal to or less than 600 horsepower may also be utilized at this source to test transmissions. The AP-42 emission factor (Sections 3.3 and 3.4 10/96) for NO<sub>x</sub> emissions from diesel fuel fired engines equal to or less than 600 horsepower (0.6042 pounds per gallon of diesel fuel combusted) is higher than the NO<sub>x</sub> emission factor for diesel fuel fired engines rated at greater than 600 horsepower (0.4384 pounds per gallon of diesel fuel combusted). Therefore, in terms of NO<sub>x</sub> emission rate equivalence, burning one (1.0) gallon of diesel fuel in engines equal to or less than 600 horsepower is equivalent to burning one and thirty seven hundredths (1.37) gallons of diesel fuel in engines greater than 600 horsepower and is derived as follows:

$$0.6042 \text{ lbs NO}_x \text{ per gallon} / 0.4384 \text{ lbs NO}_x \text{ per gallon} = 1.37$$

The diesel fuel input limit for Conditions D.2.3(b), D.3.2(b), D.4.2(b), D.5.2(b), (d) and (f) and Condition D.7.2(b) will remain based on the AP-42 NO<sub>x</sub> emission factor for engines of greater than 600 horsepower for this Significant Permit Modification, 097-19373-00310, because the majority of test cells and test stands are rated for engines of greater than 600 horsepower. However, the wording of the existing fuel use equivalency statement in Conditions D.2.3(b), D.3.2(b), D.4.2(b), D.5.2(b), (d) and (f) and in Condition D.7.2(b) is incorrect and must be revised. It is incorrect because the actual gallons of diesel fuel burned in engines equal to or less than 600 horsepower must be multiplied by 1.37 in order to obtain equivalent gallons burned in engines greater than 600 horsepower. In addition, the corresponding report forms for diesel fuel burned in engines equal to or less than 600 horsepower to obtain equivalent gallons burned are each in error. Therefore, Conditions D.2.3(b), D.3.2(b), D.4.2(b), D.5.2(b), (d) and (f), Condition D.7.2(b) and each report form for test cells and test stands are revised as follows:

D.2.3 PSD Minor Limit [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable to Test Cell 39N:

- (a) NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Cell 39N shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The input of diesel fuel to reciprocating engines ~~greater than 600 horsepower that are~~ utilized in Test Cell 39N shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are **equal to or less than or equal to** 600 horsepower shall be equivalent to **one and thirty seven hundredths (1.37)** ~~0.73~~ gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

D.3.2 PSD Minor Limit [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)

Requirements) not applicable to Test Cells TC-107, TC-109, TC-111, TC-112:

- (a) Combined NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Cells TC-107, TC-109, TC-111, TC-112 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The combined input of diesel fuel to reciprocating engines ~~greater than 600 horsepower that are~~ utilized in Test Cells TC-107, TC-109, TC-111, TC-112 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are **equal to or less than** ~~or equal to~~ 600 horsepower shall be equivalent to **one and thirty seven hundredths (1.37)** ~~0.73~~ gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

D.4.2 PSD Minor Limit [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable to Test Stand C-33:

- (a) NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Stand C-33 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The input of diesel fuel to reciprocating engines ~~greater than 600 horsepower that are~~ utilized in Test Stand C-33 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are **equal to or less than** ~~or equal to~~ 600 horsepower shall be equivalent to **one and thirty seven hundredths (1.37)** ~~0.73~~ gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

D.5.2 PSD Minor Limit [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable to Test Stands O-1, O-2, O-24, O-25 and O-31, the following conditions shall apply:

- (a) Combined NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Stands O-1 and O-2 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (b) The combined input of diesel fuel to reciprocating engines ~~greater than 600 horsepower that are~~ utilized in Test Stands O-1 and O-2 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are **equal to or less than** ~~or equal to~~ 600 horsepower shall be equivalent to **one and thirty seven hundredths (1.37)** ~~0.73~~ gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.
- (c) Combined NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Stands O-24 and O-25 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (d) The combined input of diesel fuel to reciprocating engines ~~greater than 600 horsepower that are~~ utilized in Test Stands O-24 and O-25 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are **equal to or less than** ~~or equal to~~ 600 horsepower shall be equivalent to **one and thirty seven hundredths (1.37)** ~~0.73~~ gallons of diesel fuel



burned in reciprocating engines that are greater than 600 horsepower.

- (e) NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Stand O-31 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (f) The input of diesel fuel to reciprocating engines ~~greater than 600 horsepower that are~~ utilized in Test Stand O-31 shall be less than 182,481 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are **equal to or less than** ~~or equal to~~ 600 horsepower shall be equivalent to **one and thirty seven hundredths (1.37)** ~~0.73~~ gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

**D.7.2 PSD Minor Limit [326 IAC 2-2] [Significant Source Modification 097-15550-00310]**

In order to render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) not applicable to Test Cell 702:

- (a) NO<sub>x</sub> emissions from diesel fuel fired reciprocating engines utilized in Test Cell 702 shall be limited to less than forty (40) tons per twelve (12) consecutive month period with compliance determined at the end of each month.
- (a) Pursuant to Significant Source Modification 097-15550-00310 issued November 7, 2002, the input of diesel fuel to Test Cell 702 shall be less than 173,516 gallons per twelve (12) consecutive month period with compliance determined at the end of each month. For the purposes of determining compliance, each gallon of diesel fuel burned in reciprocating engines that are **equal to or less than** ~~or equal to~~ 600 horsepower shall be equivalent to **one and thirty seven hundredths (1.37)** ~~0.73~~ gallons of diesel fuel burned in reciprocating engines that are greater than 600 horsepower.

	Column 1				Column 2				Column 1 + Column 2			
	This Month				Previous 11 Months				12 Month Total			
	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)	Diesel fuel usage in engines > 600 hp (gal)	Equivalent gallons in engines # 600 hp (gal x 1.37)	Total Diesel fuel usage (gal)	NO <sub>x</sub> emissions (tons)
Month												
Month												
Month												

OAQ/OES Change No. 2:

Marion County has been classified as nonattainment for PM2.5 (by U.S. EPA in Federal Register Notice 70 FR 943, effective April 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 Nonattainment New Source Review requirements. There have been no modifications or revisions to this source that were major modifications for PM2.5 pursuant to Nonattainment New Source Review requirements. However, the County Attainment

status table and Condition A.1 have been revised as follows:

Pollutant	Status
PM-10	unclassifiable
<b>PM2.5</b>	<b>nonattainment</b>
SO <sub>2</sub>	maintenance attainment
NO <sub>2</sub>	attainment
1-hour Ozone	maintenance attainment
8-hour Ozone	basic nonattainment
CO	attainment
Lead	unclassifiable

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

The Permittee owns and operates a transmission manufacturing and testing plant under a Standard Industrial Classification Code (SIC) of 3568 (establishments primarily engaged in manufacturing mechanical power transmission equipment and parts).

Responsible Official: General Director of Operations  
 Source Address: 4700 West 10<sup>th</sup> Street, Indianapolis, Indiana 46222  
 Mailing Address: 4700 West 10<sup>th</sup> Street (M-29), Indianapolis, Indiana, 46222  
 SIC Code: 3568  
 County Location: Marion  
 County Status: Nonattainment for ozone under the 8-hour standard  
**Nonattainment for PM2.5**  
**Attainment for all other criteria pollutants**

Source Status: Part 70 Permit Program  
 Major Source, under PSD and Emission Offset Rules and  
~~Nonattainment NSR~~  
 Minor Source, Section 112 of the Clean Air Act

OAQ/OES Change No. 3:

On September 9, 2004, New Source Review (NSR) Reform rulemaking revisions to 326 IAC 2-2 (Prevention of Significant Deterioration (PSD) Requirements) and 326 IAC 2-3 (Emission Offset) became effective in Indiana. New Source Review reform rule revisions were necessary in order to comply with the Federal New Source Review revisions effective December 31, 2002. The revisions did cause a change in permit application and review requirements for new major stationary sources and physical changes or changes in the method of operation to emission units at existing major stationary sources. The revisions to 326 IAC 2-2 and 326 IAC 2-3 require that the existing Condition C.17 (General Record Keeping Requirements) and existing Condition C.18 (General Reporting Requirements) be revised as follows:

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

- (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. Such records may be maintained in computerized form. 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) **If there is a reasonable possibility that a “project” (as defined in 326 IAC 2-2-1(qq))**

**and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a “major modification” (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in a significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1 (rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with the following:**

- (1) Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:**
  - (A) A description of the project.**
  - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.**
  - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:**
    - (i) Baseline actual emissions;**
    - (ii) Projected actual emissions;**
    - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-2(mm)(2)(A)(3); and**
    - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.**
- (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and**
- (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.**

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

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

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

and

Office of Environmental Services

Air Quality Management Section, Data Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 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 the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years.
- (f) **If the Permittee is required to comply with the record keeping provisions of (c) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit , and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ and OES:**
  - (1) **The annual emissions, in tons per year, from the project identified in (c)(1) in Section C - General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i) by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq) for that regulated NSR pollutant, and**
  - (2) **The emissions differ from preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).**
- (g) **The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:**
  - (1) **The name, address, and telephone number of the major stationary source.**
  - (2) **The annual emissions calculated in accordance with (c)(2) and (3) in Section C - General Record Keeping Requirements.**
  - (3) **The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-1-2(d)(3) and/or 326 IAC 2-3-2(c)(3).**
  - (4) **Any other information that the Permittee deems fit to include in this report.**

**Reports required in this part shall be submitted to:**

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

**and**

**Office of Environmental Services  
Air Quality Management Section, Data Compliance  
2700 South Belmont Avenue  
Indianapolis, Indiana 46221**

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ and OES. The general public may request this information from the IDEM, OAQ and OES under 326 IAC 17.1**

OAQ/OES Change No. 4:

On September 1, 2005, 326 IAC 6-1(Particulate Rules) was repealed as stated in the Indiana Register (28 IR 3454). All non-Lake County PM limitations have been placed into 326 IAC 6.5 (Particulate Matter Limitations Except Lake County). Marion County sources previously listed in 326 IAC 6-1-12 (Particulate Rules: Marion County) are now listed in 326 IAC 6.5-6 (Marion County). Therefore, the following conditions are revised as follows to reflect the rule change(s):

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

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

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour. [326 IAC 6.5-1-2]
- (b) Emergency diesel generators not exceeding 1600 horsepower.[326 IAC 6.5-1-2(a)]
- (c) Emergency Stationary fire pumps.[326 IAC 6.5-1-2(a)]
- (d) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6.5-1-2(a)]
  - (1) Shot Blast controlled with fabric filters. [326 IAC 6.5-1-2(a)]
- (e) Heat Treating. [326 IAC 6.5-1-2(a)]
- (f) Activities or categories of activities with individual HAP emissions not previously identified. Any unit emitting greater than 1 pound per day but less than 5 pounds per day or 1 ton per year of a single HAP.
  - (1) Production welding - manganese [326 IAC 6.5-1-2(a)]
- (g) One (1) soil and groundwater remediation system, identified as Emission Unit ENCORE, installed in 2003, consisting of [326 IAC 2-4.1]:
  - (1) Soil vapor extraction (SVE) system, including miscellaneous piping and:
    - (A) seventeen (17) soil vapor extraction wells;
    - (B) one (1) 90 gallon knock-out tank, and

- (C) one (1) 30 -horsepower blower rated at 750 standard cubic feet per minute (scfm), with emissions exhausting to one (1) stack identified as SVE vent.
- (2) Dense non-aqueous phase liquid (DNAPL)/groundwater recovery system, including miscellaneous piping, pneumatic pumps and:
  - (A) four (4) recovery wells; and
  - (B) one (1) 1000 gallon DNAPL/water storage tank, with emissions exhausting to one (1) stack identified as SVE vent.
- (h) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

D.1.1 Particulate Rules: Marion County [326 IAC 6.5-6-2-1-12(a)][326 IAC 6.5-6-2(b)-1-12(g)]

- (a) Pursuant to 326 IAC 6.5-6-2-1-12(a), particulate (PM) emissions from emission units BLR 1, BLR 2, BLR 3, BLR 4 and BLR 5 shall be limited to:
  - (1) 0.15 pounds per million Btu for each emission unit; and
  - (2) 39.3 tons per year for all emission units combined.
- (b) Pursuant to 326 IAC 6.5-6-2(b)-1-12(g), compliance with the particulate (PM) emissions limit in Condition D.1.1(a) shall be determined at the end of each month based on the sum of the monthly calculated emissions for the most recent twelve (12) consecutive month period. The monthly emissions shall be calculated using AP-42 emissions factors or alternative emission factors approved by the Commissioner.

D.2.1 Particulate Matter Limitations Except Lake County Rules [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate **Matter Limitations Except Lake County Rules**), particulate (PM) emissions from each of the twenty five (25) Test Cells covered under Emissions Unit ETC shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.3.1 Particulate Matter Limitations Except Lake County Rules [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate **Matter Limitations Except Lake County Rules**), particulate (PM) emissions from each of the Test Cells TC-107, TC-109, TC-111 and TC-112 shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.4.1 Particulate Matter Limitations Except Lake County Rules [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a)(Particulate **Matter Limitations Except Lake County Rules**), particulate (PM) emissions from Test Stands C-32 and C-33 each shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.5.1 Particulate Matter Limitations Except Lake County Rules [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a)(Particulate **Matter Limitations Except Lake County Rules**), particulate (PM) emissions from each of the Test Stands O-1, O-2, O-24, O-25 and O-31 shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.7.1 Particulate Matter Limitations Except Lake County Rules [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate **Matter Limitations Except Lake County Rules**), particulate (PM) emissions from Emission Unit ID ETC702 shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

D.8.1 Particulate Matter Limitations Except Lake County Rules [326 IAC 6.5-1-2(a)]

Pursuant to 326 IAC 6.5-1-2(a) (Particulate **Matter Limitations Except Lake County Rules**),

particulate (PM) emissions from the natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour, emergency diesel generators, emergency stationary fire pumps, grinding and machining operations, shot blast, heat treating operations and production welding each shall not exceed three hundredths (0.03) grains per dry standard cubic foot of exhaust air.

OAQ/OES Change No. 5:

All references to the mail address of IDEM, OAQ throughout the Part 70 Operating Permit have been revised to reflect the new mail address as follows:

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