INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: December 10, 2007

RE: Cummins, Inc. Plant # 1/ 005-25282-00015

FROM: Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

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

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

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

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

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

Enclosures
FNTV-PMOD.doc12/3/07

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MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
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December 10, 2007

Mr. Mark Slaton
Cummins Inc. Plant #1
P.O. Box 3005
Columbus, IN 47202-3005

Re: SPM 005-25282-00015
Plantwide Applicability Limitations (PAL) Permit and Third Significant Permit Modification to
Part 70 permit No.: T005-7433-00015

Dear Mr. Slaton:

Cummins Inc. Plant #1 was issued Part 70 operating permit T005-7433-00015 on May 15, 2001 for a manufacturing, testing and painting internal combustion engines source. A letter requesting changes to this permit to include provisions for Plantwide Applicability Limitations (PAL) for nitrogen oxides (NOx) was received by the Office of Air Quality (OAQ) on September 13, 2007. Pursuant to 326 IAC 2-7-12(d)(1)(A), the permit is being revised through a significant permit modification, since the PAL is added to the permit.

Pursuant to the provisions of 326 IAC 2-7-12(d)(1)(A) and IC 13-15-7-1, a significant permit modification is hereby approved as described in the attached Technical Support Document (TSD).

Other than the changes detailed in the TSD for this approval, all other conditions of the permit shall remain unchanged and in effect. Please find enclosed the entire modified permit document for final issuance.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. Pursuant to Contract No.: A305-0-00-34, IDEM, OAQ has assigned the processing of this permit application to Enviroplan Consulting. Therefore, questions should be directed to Linda Quigley of Enviroplan Consulting at (973) 575-2555 ext. 3284 or dial (800) 451-6027, and ask for extension 3-6878.

Sincerely,

Matthew Stuckey, Deputy Branch Chief
Permits Branch
Office of Air Quality

Attachments
Technical Support Document
Appendix A, Appendix B
Significant Permit Modification

LQ/EVP
cc: File - Bartholomew County
Bartholomew County Health Department
Air Compliance Section Inspector - Vaughn Ison
Compliance Data Section
Administrative and Development
Technical Support and Modeling
Billing, Licensing, and Training - Dan Stamatkin

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PART 70 OPERATING PERMIT
and
PLANTWIDE APPLICABILITY LIMITATIONS (PAL) PERMIT
OFFICE OF AIR QUALITY

Cummins Inc. - Plant #1
1000 5th Street
Columbus, Indiana 47201

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

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

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

Operation Permit No.: T 005-7433-00015	
Original Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: May 15, 2001 Expiration Date: May 15, 2006

First Administrative Amendment 005-14634-00015, issued on November 13, 2001
Second Administrative Amendment 005-16171-00015, issued on July 17, 2002
First Significant Permit Modification 005-17802-00015, issued on January 26, 2004
Third Administrative Amendment 005-21280-00015, issued on July 19, 2005
Second Significant Permit Modification 005-22915-00015, issued on December 22, 2006

Third Significant Permit Modification and PAL: SPM 005-25282-00015	Pages Effected: Entire Permit
Issued by: Matt Stuckey, Deputy Branch Chief Permits Branch Office of Air Quality	PAL Issuance Date: December 10, 2007 PAL Expiration Date: December 10, 2012

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SECTION A SOURCE SUMMARY

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

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

The Permittee owns and operates a stationary manufacturing, testing and painting internal combustion engines source.

Source Address:	1000 5th Street, Columbus, Indiana 47201
Mailing Address:	P.O. Box 3005, Columbus, Indiana 47202-3005
SIC Code:	3519
County Location:	Bartholomew
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act

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

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

(a) One (1) Mod spray booth known as EU-01E, installed in 1963, equipped with one (1) conventional air applicator, exhausted to Stack MOD, capacity: 2 engines or 2 machined parts per hour.

(b) Ten (10) diesel fuel endurance test cells, known as EU-02A, installed in 1974 or prior, exhausted to Stacks 101-103, 601-603, and 1-4, with a combined total heat input of 33.73 million British thermal units per hour.

(c) Twelve (12) diesel fuel production test cells, known as EU-02B, installed in 1974 or prior, exhausted to stacks 201-203, 301-303, 401-403, and 501-503, with a combined total heat input of 27.72 million British thermal units per hour.

(d) Two (2) diesel fuel reciprocating internal combustion engine test stands, known as EU-TS1 and EU-TS2, with a heat input rating of 0.008 million British thermal units per hour, capacity: 22 engines per hour.

(e) One (1) natural gas-fired boiler with No. 2 fuel oil backup, known as EU-03A, installed in 1960, exhausted to Stack B1, rated at 36 million British thermal units per hour.

(f) One (1) natural gas-fired boiler with No. 2 fuel oil backup, known as EU-03B, installed in 1961, exhausted to Stack B1, rated at 36 million British thermal units per hour.

(g) One (1) natural gas-fired boiler with No. 2 fuel oil backup, known as EU-03C, installed in 1951, exhausted to Stack B2, rated at 21 million British thermal units per hour.

(h) One (1) natural gas-fired boiler, known as EU-03D, installed in 1985, exhausted to Stack B2, rated at 50 million British thermal units per hour.

(i) One (1) heavy duty robotic paint line, known as EU-04, installed in 1997, exhausted to Stacks RB, MB-1 and MB-2, capacity: 20 engines per hour, consisting of:

(1) One (1) robotic paint booth, equipped with electrostatic application system and dry filters for overspray control, and

(2) One (1) manual paint booth, equipped with electrostatic application system and dry filters for overspray control.

A.3 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 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) British thermal units per hour.

(b) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 British thermal units per hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 British thermal units per hour.

(c) The following VOC and HAP storage containers:

Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

(d) Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.

(e) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.

(f) Machining where an aqueous cutting coolant continuously floods the machining interface.

(g) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5].

(h) Cleaners and solvents characterized as follows:

(1) having a vapor pressure equal to or less than 2 kiloPascals; 15 millimeters of mercury; or 0.3 pounds per square inch measured at 38°C (100°F) or;

(2) having a vapor pressure equal to or less than 0.7 kiloPascals; 5 millimeters of mercury; or 0.1 pounds per square inch measured at 20°C (68°F); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(i) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1 percent by volume.

(j) Any operation using aqueous solutions containing less than 1 percent by weight of VOCs excluding HAPs.

(k) Noncontact cooling tower systems with either of the following:

Forced and induced draft cooling tower system not regulated under a NESHAP.

(l) Replacement or repair of filters in air filtration equipment.

(m) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone.

(n) Paved and unpaved roads and parking lots with public access.

(o) Asbestos abatement projects regulated by 326 IAC 14-10.

(p) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks, and fluid handling equipment.

(q) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

(r) Emergency generators as follows:

Diesel generators not exceeding 1,600 horsepower. (none exceeding 500 horsepower)

(s) 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 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3-2].

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

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

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

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

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

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

(a) This permit, T 005-7433-00015, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

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

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

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

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7]

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

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

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

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

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

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

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

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

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

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

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

(c) The "responsible official" is defined at 326 IAC 2-7-1(34).

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

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

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

and

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

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

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

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

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

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

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

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

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

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

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

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

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

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

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

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

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

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

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

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

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

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

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

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

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

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

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

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

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

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

(1) That this permit contains a material mistake.

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

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

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

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

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

Request for renewal shall be submitted to:

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

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

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

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

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12] [40 CFR 72]

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

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

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

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

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

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

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

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

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

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:

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

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

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

(4) The Permittee notifies the:

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

and

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

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

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

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

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

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

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

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

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

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

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

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2.

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

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

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

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

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

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

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

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

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

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

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

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

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

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

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

B.25 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 Particulate Matter Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2(c)]

Pursuant to 326 IAC 6-3-2(c), the allowable particulate matter emissions rate from any process not already regulated by 326 IAC 6-1 or any New Source Performance Standard, and which has a maximum process weight rate less than 100 pounds per hour shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

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

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

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

C.3 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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

C.4 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.5 Fugitive Dust Emissions [326 IAC 6-4]

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

C.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]

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

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

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

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

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

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

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

All required notifications shall be submitted to:

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

The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(f) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement that the inspector be accredited is federally enforceable.

Testing Requirements [326 IAC 2-7-6(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the 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. 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 this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

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

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

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

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

C.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 shall prepare written emergency reduction plans (ERPs) consistent with safe operating procedures.

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

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

within ninety (90) days after the date of issuance of this permit.

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

(c) If the ERP is disapproved by IDEM, OAQ, the Permittee shall have an additional thirty (30) days to resolve the differences and submit an approvable ERP.

(d) These ERPs shall state those actions that will be taken, when each episode level is declared, to reduce or eliminate emissions of the appropriate air pollutants.

(e) Said ERPs shall also identify the sources of air pollutants, the approximate amount of reduction of the pollutants, and a brief description of the manner in which the reduction will be achieved.

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

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68.215]

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

(a) A compliance schedule for meeting the requirements of 40 CFR 68; or

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

All documents submitted pursuant to this condition shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

(1) initial inspection and evaluation

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records;

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

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

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

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred 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 documents submitted pursuant to this condition do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

(a) Pursuant to 326 IAC 2-6-3(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 requirements 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 purposes of fee assessment.

The statement must be submitted to:

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

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

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

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [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. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

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

(c) 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 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 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 2-3-1(mm)(2)(A)(iii); 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 year 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]

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

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

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

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

(d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(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(ll)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(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 the 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 2-2-2(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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(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. The general public may request this information from the IDEM, OAQ 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) Mod spray booth known as EU-01E, installed in 1963, equipped with one (1) conventional air applicator, exhausted to Stack MOD, capacity: 2 engines or 2 machined parts per hour.

(i) One (1) heavy duty robotic paint line, known as EU-04, installed in 1997, exhausted to Stacks RB, MB-1 and MB-2, capacity: 20 engines per hour, consisting of:

(1) One (1) robotic paint booth, equipped with electrostatic application system and dry filters for overspray control, and

(2) One (1) manual paint booth, equipped with electrostatic application system and dry filters for overspray control.

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

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

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

(a) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), no owner or operator of a facility engaged in the surface coating of miscellaneous metal parts or products may cause, allow, or permit the discharge into the atmosphere of any volatile organic compounds in excess of 3.5 pounds of VOC per gallon of coating excluding water for extreme performance coatings, delivered to spray applicators in EU-01E and EU-04.

(b) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), solvent sprayed from the application equipment during clean up or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.1.2 PSD Minor Limit [326 IAC 2-2]

The VOC delivered to the applicators of the heavy duty robotic paint line, EU-04, including coatings, dilution solvents, and cleaning solvents, shall be limited to less than 39.5 tons of VOC per twelve (12) consecutive month period, with compliance determined at the end of each month, including coatings, dilution solvents, and cleaning solvents. Compliance with this limit shall make the requirements of 326 IAC 2-2 not applicable.

D.1.3 Particulate [326 IAC 6-3-2(d)]

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

D.1.4 Hazardous Air Pollutants (HAP) [40 CFR 63]

(a) The usage of hexane at the coating operations, degreasing operations and miscellaneous solvent usage shall be limited to less than 8.70 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month.

(b) The usage of each individual HAP, other than hexane, at the coating operations, degreasing operations and miscellaneous solvent usage, shall be limited to less than 9.51 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month.

(c) The usage of total HAPs at the coating operations, degreasing operations and miscellaneous solvent usage, shall be limited to less than 21.9 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month.

Due to these limitations, the requirements of 40 CFR 63, Subpart MMMM, and 40 CFR 63, Subpart PPPP, are not included in this permit.

D.1.5 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 EU-01E and EU-04 and any control devices.

Compliance Determination Requirements

D.1.6 Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) [326 IAC 8-1-4] [326 IAC 8-1-2(a)]

Compliance with the VOC content and usage limitations contained in Conditions D.1.1 and D.1.2 and the HAP emission limitations contained in Condition D.1.4 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

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

D.1.7 Monitoring

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (RB, MB-1, and MB-2) while one (1) or more of the booths exhausting to the stack are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) Monthly inspections shall be performed of the coating emissions from the stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

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

D.1.8 Record Keeping Requirements

(a) To document compliance with Condition D.1.1, the Permittee shall maintain records in accordance with (1) and (2) below. Records maintained for (1) and (2) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC content limit established in Condition D.1.1.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents; and

(2) A log of the dates of use.

(b) To document compliance with Condition D.1.2, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limit established in Condition D.1.2.

(1) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) A log of the dates of use;

(3) The cleanup solvent usage for each month in EU-04;

(4) The total VOC usage for each month in EU-04; and

(5) The weight of VOCs emitted for each compliance period from EU-04.

(c) To document compliance with Condition D.1.4, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the HAP usage limits established in Condition D.1.4.

(1) The HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;

(2) The total usage of each individual HAP and total HAPs for each month; and

(3) The weight of each individual HAP and total HAPs emitted for each compliance period.

(d) To document compliance with Condition D.1.7, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.

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

D.1.9 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.2 and D.1.4 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting form 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.2 FACILITY OPERATION CONDITIONS

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

(b) Ten (10) diesel fuel endurance test cells, known as EU-02A, installed in 1974 or prior, exhausted to Stacks 101-103, 601-603, and 1-4, with a combined total heat input of 33.73 million British thermal units per hour.

(c) Twelve (12) diesel fuel production test cells, known as EU-02B, installed in 1974 or prior, exhausted to stacks 201-203, 301-303, 401-403, and 501-503, with a combined total heat input of 27.72 million British thermal units per hour.

(d) Two (2) diesel fuel reciprocating internal combustion engine test stands, known as EU-TS1 and EU-TS2, with a heat input rating of 0.008 million British thermal units per hour, capacity: 22 engines per hour.

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

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

D.2.1 PSD Minor Limit [326 IAC 2-2] [40 CFR 52.21]

(a) The two (2) test stands, EU-TS1 and EU-TS2, shall not exceed 346.75 gallons of diesel fuel per twelve (12) consecutive month period, equivalent to 0.027 tons of VOC per twelve (12) consecutive month period. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 40 CFR 52.21 not applicable.

(b) The total PM and PM_{10} from the two (2) test stands, EU-TS1 and EU-TS2 and EU-04, shall not exceed twenty five (25) and fifteen (15) tons per year, respectively. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 40 CFR 52.21 not applicable.

(c) The requirements of CP 005-5350-00015, issued on January 14, 1997, that stated that the total diesel fuel delivered to test stands, EU-TS1 and EU-TS2, shall not exceed 0.95 gallons per day, equivalent to 0.15 pounds per day has been changed to a twelve (12) consecutive month period.

D.2.2 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1]

(a) Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations) the SO_2 emissions from the each of the test cells, EU-02A and EU-02B, shall not exceed five tenths (0.5) pounds per million British thermal units heat input.

(b) The requirements from Condition 4 of the following permits: OP 03-05-91-0146, issued on October 6, 1988, OP 03-05-91-0147, issued on October 6, 1988, OP 03-05-91-0148, issued on October 6, 1988, OP 03-05-91-0149, issued on October 6, 1988, and OP 03-05-91-0150, issued on October 6, 1988, which limited SO_2 emissions from the diesel engine test cells to six (6.0) pounds per million British thermal units heat input were not incorporated. The rule applicability was re-evaluated and since the diesel test cells only burn distillate oil then pursuant 326 IAC 7-1.1-2(a)(3), the sulfur dioxide emissions should be limited to five tenths (0.5) pounds per million British thermal units heat input.

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for EU-02A, EU-02B, EU-TS1 and EU-TS2 and their control devices.

Compliance Determination Requirements

D.2.4 Sulfur Dioxide Emissions and Sulfur Content

Compliance 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 British thermal units heat input by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor 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;

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the thirty (30) test cells and the two (2) test stands, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

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

D.2.5 Visible Emissions Notations

(a) Visible emission notations of the test cell stack exhausts 1 - 4, 101 -107, 201 - 207, 301 - 303, 401 - 403, 501 - 503 and 601 - 603 shall be performed once per day during normal daylight operations when exhausting to the atmosphere. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

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

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

D.2.6 Record Keeping Requirements

(a) To document compliance with Condition D.2.2, the Permittee shall maintain records in accordance with (1) through (6) below.

(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, that the records of the fuel supplier certifications represent all of the fuel combusted during the period, the natural gas-fired boiler certification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34); 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.

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

(b) To document compliance with Condition D.2.1(a), the Permittee shall maintain records in accordance with (1) and (2) below:

(1) Calendar dates covered in the compliance determination period; and

(2) Actual fuel oil usage since last compliance determination period and equivalent volatile organic compounds emissions.

(c) To document compliance with Condition D.2.5, the Permittee shall maintain records of visible emission notations of the test cell stack exhausts 1 - 4, 101 -107, 201 - 207, 301 - 303, 401 - 403, 501 - 503 and 601 - 603 once per day.

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

D.2.7 Reporting Requirements

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

SECTION D.3 FACILITY OPERATION CONDITIONS

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

(e) One (1) natural gas-fired boiler with No. 2 fuel oil backup, known as EU-03A, installed in 1960, exhausted to Stack B1, rated at 36 million British thermal units per hour.

(f) One (1) natural gas-fired boiler with No. 2 fuel oil backup, known as EU-03B, installed in 1961, exhausted to Stack B1, rated at 36 million British thermal units per hour.

(g) One (1) natural gas-fired boiler with No. 2 fuel oil backup, known as EU-03C, installed in 1951, exhausted to Stack B2, rated at 21 million British thermal units per hour.

(h) One (1) natural gas-fired boiler, known as EU-03D, installed in 1985, exhausted to Stack B2, rated at 50 million British thermal units per hour.

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

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

D.3.1 Particulate Matter (PM) [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3(d), the PM emissions from boilers, EU-03A, EU-03B and EU-03C, shall each be limited to 0.8 pounds per million British thermal units heat input.

D.3.2 Particulate Matter (PM) [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate emission limitations for sources of indirect heating: emission limitations for facilities specified in 326 IAC 6-2-1(d)), the PM emissions from boiler, EU-03D, shall be limited to 0.300 pounds per million British thermal units heat input as calculated by the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units.

Q = Total source maximum operating capacity rating in million British thermal units heat input. The maximum operating capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's operation permit application, except when some lower capacity is contained in the facility's operation permit, in which case, the capacity specified in the operation permit shall be used.

D.3.3 Sulfur Dioxide (SO_2) [326 IAC 7-1.1-1]

Pursuant to 326 IAC 7-1.1 (SO_2 Emissions Limitations), the SO_2 emissions from each of the three (3) boilers, EU-03A, EU-03B, and EU-03C shall not exceed five-tenths (0.5) pound per million British thermal units heat input while combusting fuel oil. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average. 326 IAC 7-1.1 and 326 IAC 7-2-1 are not federally enforceable.

D.3.4 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 these facilities and their control devices.

Compliance Determination Requirements

D.3.5 Sulfur Dioxide Emissions and Sulfur Content

Compliance shall be determined utilizing one of the following options for three (3) boilers, EU-03A, EU-03B, and EU-03C.

(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 British thermal units heat input by:

(1) Providing vendor analysis of fuel delivered, if accompanied by a vendor 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.

(b) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the boiler using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

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

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

D.3.6 Visible Emissions Notations

(a) Visible emission notations of the boiler stack exhausts (B1 and B2) shall be performed once per day during normal daylight operations while combusting 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) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

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

D.3.7 Record Keeping Requirements

(a) To document compliance with Condition D.3.3, the Permittee shall maintain records in accordance with (1) through (6) below.

(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, that the records of the fuel supplier certifications represent all of the fuel combusted during the period, the natural gas-fired boiler certification does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34); 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.

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

(b) To document compliance with Condition D.3.6, the Permittee shall maintain records of visible emission notations of the boiler stack exhausts once per day.

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

D.3.9 Reporting Requirements

The Permittee shall certify, on the form provided, that natural gas was fired in each of the boilers at all times during each quarter. Alternatively, the Permittee shall report the number of days during which an alternate fuel was burned during each quarter.

SECTION D.4 FACILITY OPERATION CONDITIONS

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

(a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]

(b) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone. [326 IAC 6-3-2]

(c) 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 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3-2]

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

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

D.4.1 Particulate Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Process Operations), the allowable PM emission rate from the trimming, grinding and machining operations shall not exceed allowable PM emission rate based on the following equation:

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

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

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.4.2 Volatile Organic Compounds (VOC)

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

(a) Equip the cleaner with a cover;

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

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.4.3 Volatile Organic Compounds (VOC)

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility construction of which commenced after July 1, 1990, shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility construction of which commenced after July 1, 1990, shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

SECTION E.1 PLANTWIDE APPLICABILITY LIMITATION REQUIREMENTS

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

Entire Source

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

Source wide emission limits [326 IAC 2-2.4-7(1)]

E.1.1 Emission limits [326 IAC 2-2.4-1(d)][326 IAC 2-2.4-7(1)]

(a) Pursuant to 326 IAC 2-2.4-7(1), the nitrogen oxides (NOx) emissions from the entire source shall not exceed 268.71 tons per 12 consecutive month period with compliance determined at the end of each month.

(b) Pursuant to 326 IAC 2-2.4-1(d), the Permittee shall continue to comply with all applicable federal or state requirements, emission limitations, and work practice requirements that were established prior to the effective date of the PAL

E.1.2 Major New Source Review Applicability [326 IAC 2-2.4-1(c)]

Pursuant to 326 IAC 2-2.4-1(c), any physical change in or change in the method of operation of this source that maintains its total source wide emissions below the PAL level, that meets the requirements in this rule, and that complies with the PAL permit:

(a) is not a major modification for the PAL pollutant;

(b) does not have to be approved through 326 IAC 2-2; and

(c) is not subject to 326 IAC 2-2-8(a)(3).

E.1.3 General PAL requirements [326 IAC 2-2.4-7, 326 IAC 2-2.4-8, 326 IAC 2-2.4-9, 326 IAC 2-2.4-10, 326 IAC 2-2.4-11, 326 IAC 2-2.4-15]

(a) Pursuant to 326 IAC 2-2.4-8(a), the requirements of this section E become effective on the issuance date of the PAL permit, and expire ten years after the issuance date of the PAL permit (SPM005-25282-00015).

(b) Pursuant to 326 IAC 2-2.4-10(b), if the Permittee applies to renew this PAL at least six months prior to expiration of the PAL, but no earlier than eighteen months prior to the expiration of the PAL, then notwithstanding the expiration date in subsection E.1.3(a), the PAL shall continue to be effective until the revised permit with the renewed PAL is issued. The application must contain the elements described in 326 IAC 2-2.4-3 and 326 IAC 2-2.4-10.

(c) Pursuant to 326 IAC 2-2.4-9(a), once this PAL expires, if not otherwise renewed, then the requirements of 326 IAC 2-2.4-9 are applicable.

(d) The Permittee shall comply with the requirements for renewing this PAL as described in 326 IAC 2-2.4-10.

(e) The Permittee shall comply with the requirements for increasing the emissions limits described in Condition E.1.1 as described in 326 IAC 2-2.4-11.

(f) The requirements applicable to terminating or revoking this PAL are described in 326 IAC 2-2.4-15.

Testing and Monitoring Requirements [326 IAC 2-2.4-7(6) & (7)] [326 IAC 2-2.4-12]

E.1.4 Nitrogen Oxides (NO_X) Emission Limit Determination [326 IAC 2-2.4-7(6) & (7)] [326 IAC 2-2.4-12]

The Permittee shall determine actual annual emissions of NOx by employing the following techniques:

(a) The Permittee shall calculate NOx emissions from burning natural gas in Boilers EU-03A, EU-03B, EU-03C and EU-03D, in tons, each calendar month, by multiplying the amount of natural gas burned in each calendar month by an NOx emission factor of 100 lb NOx/million cubic feet of natural gas burned in Boilers EU-03A, EU-03B, EU-03C and EU-03D.

(b) The Permittee shall calculate NOx emissions from burning fuel oil in Boilers EU-03A, EU-03B, EU-03C and EU-03D, in tons, each calendar month, by multiplying the amount of fuel oil burned in each calendar month by a NOx emission factor of 20 lb NOx/1000 gallons of fuel oil burned in Boilers EU-03A, EU-03B, EU-03C and EU-03D.

(c) The Permittee shall determine NOx emissions from diesel engines EU-02A, EU-03B, EU-TS1 and EU-TS2, in tons, each calendar month, by multiplying the amount of fuel oil burned in each calendar month by a NOx emission factor of 4.41 lb NOx/million British thermal unit for diesel engines EU-02A, EU-03B, EU-TS1 and EU-TS2.

(d) Within six (6) months after the issuance of Significant Permit Modification SPM005-25282-00015, the Permittee shall perform validation testing to determine a site-specific emission factor for emission units EU-02A and EU-02B.

(e) When determining the actual annual emissions of NOx, the Permittee shall include emissions occurring as a result of startups, shutdown, and malfunctions.

E.1.5 Revalidation of emissions determination methods [326 IAC 2-2.4-12(i)]

The Permittee shall revalidate the emissions determination methods described in Condition E.1.4 through performance testing or other scientifically valid means approved by the department no later than five years after the effective date of the PAL provisions.

Record keeping and reporting [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

E.1.6 Record keeping requirements [326 IAC 2-7-5(3)] [326 IAC 2-2.4-13]

(a) The Permittee shall retain a copy of all records necessary to determine compliance with the requirements of this E Section, including a determination of each emissions unit's twelve (12) month rolling total emissions, for five years from the date of the record.

(b) The Permittee shall retain a copy of the PAL permit application, any applications for revisions to the PAL, each annual compliance certification as required by Condition B.9 of this permit, and data relied on in the certification for the duration of the PAL plus five years.

E.1.7 Reporting requirements [326 IAC 2-7-5(3)] [326 IAC 2-2.4-14]

(a) The Permittee shall submit a semi-annual report, containing the information described below, to the address listed in Section C – General Reporting Requirements, within thirty (30) days after the end of the calendar quarter being reported. This report requires the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). The report shall include the following information:

(1) The identification of the owner and operator of the facility and the permit number.

(2) Total emissions of NOx, in tons per rolling 12 month period for each month in the reporting period, as determined by Condition E.1.4.

(3) All data relied upon, including but not limited to, any quality assurance or quality control data, in determining emissions.

(4) A list of any emissions units modified or added to the major stationary source during the reporting period.

(5) If not previously reported pursuant to another condition in this permit, the number, duration, and cause of any deviations or monitoring malfunctions, other than the time associated with zero and span calibration checks, and any corrective action taken.

(6) If not required to be reported pursuant to another condition in this permit, information about monitoring system shutdowns including the following information:

(A) Notification to the department of the shutdown of any monitoring system.

(B) Whether the shutdown was permanent or temporary.

(C) The reason for the shutdown.

(D) The anticipated date that the monitoring system will be fully operational or replaced with another monitoring system.

(E) Whether the emissions unit monitored by the monitoring system continued to operate.

(F) If the emission unit monitored by the monitoring system continued to operate, the calculation of the:

(i) Emissions of the pollutant; or

(ii) Number determined by method included in the permit, as provided by 326 IAC 2-2.4-12(g).

(b) The procedures for reporting deviations from the requirements of this Section E, and the procedures for reporting emissions in excess of the limits described in Condition E.1.1 are described in Condition B.15. A report that describes emissions exceeding the PAL limits shall include the quantity of emissions emitted by the source. This term satisfies the requirements of 326 IAC 2-2.4-14(c).

(c) The Permittee shall submit to the department the results of any revalidation test or method within three months of completion of the test or method. These results do not require responsible official certification.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

Section E.1 – Plantwide Applicability Limitations Requirements

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015
Facility: Source wide
Parameter: Plantwide Emission Limits for NOx
PAL Limit: 268.71 tpy of NOx

Quarter: Year: Pollutant	Actual Emission Estimates, tons								
	Month 1	Previous 11 Months	12-month Total	Month 2	Previous 11 Months	12-month Total	Month 3	Previous 11 Months	12-month total
Endurance Test Cells (EU-02A)									
NOx									
Performance Test Cells (EU-02B)									
NOx									
Test Stands (EU-TS1, EU-TS2)									
NOx									
Boilers (EU-03A - EU-03D)									
NOx									
TOTAL NOx									

☐ No deviation occurred in this quarter.

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

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

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify) _____

☐ Report (specify) _____

☐ Notification (specify) _____

☐ Affidavit (specify) _____

☐ Other (specify) _____

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

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

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

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015

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

☐ This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

Page 2 of 2

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

PART 70 OPERATING PERMIT
NATURAL GAS-FIRED BOILER CERTIFICATION

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015

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

Report period
Beginning: _____
Ending: _____

Boiler Affected	Alternate Fuel	Days burning alternate fuel	
		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:

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

Part 70 Quarterly Report

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015
Facilities: Test Stands, EU-TS1 and EU-TS2
Parameter: Diesel Fuel
Limit: 346.75 gallons per twelve (12) consecutive month period total, equivalent to 0.027 tons of VOC per year

YEAR: _____

Month	Diesel Fuel (gallons)	Diesel Fuel (gallons)	Diesel Fuel (gallons)
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015
Facilities: Robotic Paint Line, EU-04 (Robotic and Manual Paint Booths)
Parameter: VOC delivered to the applicators
Limit: 39.5 tons per twelve (12) consecutive month period

Month: _____ **Year:** _____

Month	VOC (tons)	VOC (tons)	VOC (tons)
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015
Facilities: Coating, degreasing and miscellaneous solvent usage
Parameter: Individual HAP Usage
Limit: Less than 8.70 tons of hexane per consecutive twelve (12) month period, with compliance determined at the end of each month
Less than 9.51 tons of each individual HAP, other than hexane, per consecutive twelve (12) month period, with compliance determined at the end of each month

YEAR: _____

Month	Individual HAP Usage (tons)	Individual HAP Usage (tons)	Individual HAP Usage (tons)
	This Month	Previous 11 Months	12 Month Total

Month	Hexane Usage (tons)	Hexane Usage (tons)	Hexane Usage (tons)
	This Month	Previous 11 Months	12 Month Total

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

Part 70 Quarterly Report

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015
Facilities: Coating, degreasing and miscellaneous solvent usage
Parameter: Total HAPs Usage
Limit: Less than 21.9 tons per consecutive twelve (12) month period, with compliance determined at the end of each month

YEAR: _____

Month	Total HAPs Usage (tons)	Total HAPs Usage (tons)	Total HAPs Usage (tons)
	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this quarter.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION and COMPLIANCE MONITORING REPORT

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015

Months: _____ **to** _____ **Year:** _____

This report is an affirmation that the source has met all the requirements stated in this permit. 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. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)

Date of Deviation: **Duration of Deviation:**

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

Permit Requirement (specify permit condition #)

Date of Deviation: **Duration of Deviation:**

Number of Deviations:

Probable Cause of Deviation:

Response Steps Taken:

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

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

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

☐ No deviation occurred in this month.

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

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for Plantwide Applicability Limitations (PAL) Permit and a Part 70 Significant Permit Modification

Source Description and Location

Source Name:	Cummins Inc. - Plant #1
Source Location:	1000 5th Street, Columbus, Indiana 47201
County:	Bartholomew
SIC Code:	3519
Operation Permit No.:	T 005-7433-00015
Operation Permit Issuance Date:	May 15, 2001
Significant Permit Modification No.:	SPM 005-25282-00015
Permit Reviewer:	Linda Quigley/EVP

Existing Approvals

The source was issued a Part 70 Operating Permit T005-7433-00015 on May 15, 2001. The source has since received the following approvals:

(a) First Administrative Amendment, AA005-14634-00015, issued on November 13, 2001;

(b) Second Administrative Amendment, AA005-16171-00015, issued on July 17, 2002;

(c) First Significant Permit Modification, SPM005-17802-00015, issued on January 26, 2004;

(d) Third Administrative Amendment, AA005-21280-00015, issued on July 19, 2005; and

(e) Second Significant Permit Modification, SPM005-22915-00015, issued on December 22, 2006.

A Part 70 Operating Permit Renewal (T005-21670-00015) application was submitted on August 15, 2005. At this time this application is still under review.

County Attainment Status

The source is located in Bartholomew County.

Pollutant	Status
PM10	attainment
PM2.5	attainment
SO_2	attainment
NO_2	attainment
8-hour Ozone	attainment
CO	attainment
Lead	attainment

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

(b) Bartholomew County has been classified as attainment for PM2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions.

(c) Bartholomew County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(d) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, fugitive emissions are not counted toward the determination of PSD applicability.

Source Status

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

Pollutant	Emissions (tons/year)
PM	118
PM10	124
SO_2	311
VOC	187
CO	403
NO_x	1,680

(a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).

(b) These emissions are based upon the potential to emit calculated in Appendix A of Significant Permit Modification SPM 005-22915-00015, which is the limited potential to emit from the coating activities at EU-04, based on the existing Part 70 Operating Permit, and the unrestricted potential emissions from all other processes.

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

HAPs	Potential To Emit (tons/year)
hexane	8.70
any single HAP	9.51
TOTAL	24.9

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

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	Not reported
PM10	1
SO_2	2
VOC	1
CO	5
NO_x	14
HAP	None reported

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a Significant Permit Modification - Plantwide Applicability Limitations (PAL) application for nitrogen dioxides (NO_X) for Cummins Inc., Plant #1 relating to the operation of a stationary manufacturing, testing and painting internal combustion engines source.

Once issued, the PAL permit provisions will enable Cummins Inc. to install new equipment, expand existing operations, add new operations, and modify its processes without the changes being subject to Major New Source Review [NSR] requirements in 326 IAC 2-2 as long as Cummins Inc. maintains compliance with the PAL provisions.

The PAL NO_X limits apply to the entire plant site, which includes the following types of operations:

(a) Endurance test cells, known as EU-02A;

(b) Production test cells, known as EU-02B;

(c) Diesel fuel reciprocating internal combustion engine test stands, known as EU-TS1 and EU-TS2;

(d) Natural gas-fired boilers with No. 2 fuel oil backup, known as EU-03A - EU-03D.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this document for the detailed Baseline Actual Emission calculations.

See Appendix B of this document for the detailed PTE and Classification of Emission Units calculations.

Federal Rule Applicability Determination

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

(b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 20, and 40 CFR Part 61 and 63) included in this proposed modification.

(c) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

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

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled NOx PTE (tons/year)	Limited PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
(10) Endurance Test Cells (EU-02A)	None	Y	65.16 each	N/A	100.00	N	--
(12) Production Test Cells (EU-02B)	None	Y	44.62 each	N/A	100.00	N	--
(2) ICE Test Stands (EU-TS1, EU-TS2)	None	Y	< 1.00	N/A	100.00	N	--
(4) Boilers (EU-03A - EU-03D)	None	Y	62.6 (total)	N/A	100.00	N	--

IDEM has determined that no Compliance Assurance Monitoring [CAM] requirements are applicable to the NOx emitting emission units under this PAL. CAM will be evaluated for all other criteria pollutants in the Cummins Inc., Plant #1 Part 70 permit renewal, T005-21670-00015 (pending).

State Rule Applicability Determination

The following state rules are applicable to the source for this PAL permit:

326 IAC 2-2.4

(a) This rule establishes actuals plantwide applicability limitations (PAL) for nitrogen oxides. A source that is subject to P.L. 231-2003, Section 6 shall comply with the requirements of 326 IAC 2-2.6. Cummins Inc., Plant #1 does not belong to one of the SIC codes listed in the 326 IAC 2-2.6 (Federal Requirements for Sources Subject to PL 231-2003, Endangered Industries), therefore, Cummins Inc., Plant #1 is not subject to 326 IAC 2-2.6.

(b) If Cummins Inc., Plant #1 maintains its total source-wide nitrogen oxides emissions below the PAL levels, meets the requirements in this rule, and complies with the PAL permit, then any physical change or change in the method of operation of the source:

(1) is not a major modification for the PAL permit;

(2) does not have to be approved through 326 IAC 2-2; and

(3) is not subject to 326 IAC 2-2-8(a)(3).

(c) Except as provided under subsection 326 IAC 2-2.4-1(c)(3), Cummins Inc., Plant #1 shall continue to comply with all applicable federal or state requirements, emissions limitations, and work practice requirements that were established prior to the effective date of the PAL.

326 IAC 2-2.4-7(1) (Emission Limits)

(a) The nitrogen oxides (NOx) emissions from the entire source shall not exceed 268.71 tons per 12 consecutive month period with compliance determined at the end of each month.

(b) The Permittee shall continue to comply with all applicable federal or state requirements, emission limitations, and work practice requirements that were established prior to the effective date of the PAL

326 IAC 2-2.4-8 (PAL effective period and reopening of the PAL permit)

The PAL effective period is ten (10) years.

326 IAC 2-2.4-9 (Expiration of a PAL)

(a) If this PAL is not renewed in accordance with the procedures in 326 IAC 2-2.4-10 it shall expire at the end of the PAL effective period, and the requirements in this section shall apply.

(b) Each emissions unit or each group of emissions units that existed under the PAL shall comply with an allowable emission limitation under a revised permit established.

(c) Until IDEM issues the revised permit incorporating allowable limits for each emissions unit, or each group of emissions units, the Permittee shall continue to comply with a source-wide, multiunit emissions cap equivalent to the level of the PAL emission limitation.

(d) Any physical change or change in the method of operation at the source will be subject to major NSR requirements if the change meets the definition of major modification in 326 IAC 2-2-1(ee).

(e) The Permittee shall continue to comply with any state or federal applicable requirements that may have applied either during the PAL effective period or prior to the PAL effective period except for those emission limitations that had been established under 326 IAC 2-2-8(a)(3), but were eliminated by the PAL.

326 IAC 2-2.4-10 (Renewal of a PAL)

The Permittee shall submit a timely application to IDEM to request renewal of a PAL. A timely application is one that is submitted at least six (6) months prior to, but not earlier than eighteen (18) months from the date of PAL expiration. If the Permittee submits a complete application to renew the PAL within this time period, then the PAL shall continue to be effective until the revised permit with the renewed PAL is issued.

326 IAC 2-2.4-12 Monitoring requirements for PAL

(a) The following general requirements apply:

(1) Each PAL permit must contain enforceable requirements for the monitoring system that accurately determine plantwide emissions of the PAL pollutants in terms of mass per unit of time. Any monitoring system authorized for use in the PAL permit must be based on sound science and meet generally acceptable scientific procedures for data quality and manipulation. Additionally, the information generated by the system must meet minimum legal requirements for admissibility in a judicial proceeding to enforce the PAL permit.

(2) The PAL monitoring system must employ one (1) or more of the four (4) general monitoring approaches meeting the minimum requirements set forth in subsection (b) and must be approved by the department.

(3) Notwithstanding subdivision (2), an alternative monitoring approach may be employed:

(A) that meets subdivision (1); and

(B) if it is approved by the IDEM.

(4) Failure to use a monitoring system that meets the requirements of this section renders the PAL invalid.

(b) See Appendix B of this document for compliance monitoring requirements for Cummins Inc., Plant #1.

326 IAC 2-2.4-13 Record keeping requirements

(a) The Permittee shall retain a copy of all records necessary to determine compliance with any requirement of this rule and of the PAL, including a determination of each emissions unit's twelve (12) month rolling total emissions, for five (5) years from the date of the record.

(b) The Permittee shall retain a copy of the following records for the duration of the PAL effective period plus five (5) years:

(1) A copy of the PAL permit application and any applications for revisions to the PAL.

(2) Each annual certification of compliance pursuant to 40 CFR Part 70 and the data relied on in certifying the compliance.

326 IAC 2-2.4-14 Reporting and notification requirements

The Permittee shall submit semiannual monitoring reports and deviation reports to the IDEM in accordance with 326 IAC 2-7.

Compliance Determination and Monitoring Requirements

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

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

The compliance determination and monitoring requirements applicable to this PAL permit are summarized in the Table below:

Emission unit	NOx emissions determination method
EU-02A	• Track amount of diesel burned • Apply emission factor of 4.41 lb NOx/MMBtu-hr until site specific emission factor is developed.
EU-02B	Same as EU-02A
EU-TS1/EU-TS2	Same as EU-02A
EU-03A	• Track amount of natural gas and fuel oil burned. • Apply an emission factor of 140 lb NOx/MMcf natural gas burned • Apply an emission factor of 24 lb NOx/1000 gallons of fuel oil burned
EU-03B	Same as EU-03A
EU-03C	Same as EU-03A
EU-03D	Same as EU-03A

These monitoring conditions are necessary to ensure compliance with the PAL Limits.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. T 005-7433-00015. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

(1) Sections A.2 and the D.1 facility description have been revised descriptively and to remove the emission units no longer at Cummins Inc. Plant #1.

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

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

(a) One (1) Mod spray booth known as EU-01E, installed in 1963, equipped with one (1) conventional air applicator, exhausted to Stack MOD, capacity: 2 engines or 2 machined parts per hour.

(b) ~~Twelve (12)~~ **Ten (10) diesel fuel** endurance test cells, known as EU-02A, installed in 1974 or prior, exhausted to Stacks 101-105**3**, 601-603, and 1-4, **with a combined** total heat input of ~~40.48~~ **33.73** million British thermal units per hour. ~~, capacity: 2,564,928 gallons of No. 2 fuel oil per year total.~~

(c) ~~Eighteen (18)~~ **Twelve (12) diesel fuel** production test cells, known as EU-02B, installed in 1974 or prior, exhausted to stacks ~~106, 107,~~ 201-**203,** ~~207,~~ 301-303, 401-403, and 501-503, **with a combined** total heat input of ~~41.58~~ **27.72** million British thermal units per hour. ~~, capacity: 2,633,256 gallons of No. 2 fuel oil per year total.~~

SECTION D.2 FACILITY OPERATION CONDITIONS

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

(b) ~~Twelve (12)~~ **Ten (10) diesel fuel** endurance test cells, known as EU-02A, installed in 1974 or prior, exhausted to Stacks 101-105**3**, 601-603, and 1-4, **with a combined** total heat input of ~~40.48~~ **33.73** million British thermal units per hour. ~~, capacity: 2,564,928 gallons of No. 2 fuel oil per year total.~~

(c) ~~Eighteen (18)~~ **Twelve (12) diesel fuel** production test cells, known as EU-02B, installed in 1974 or prior, exhausted to stacks ~~106, 107,~~ 201-**203,** ~~207,~~ 301-303, 401-403, and 501-503, **with a combined** total heat input of ~~41.58~~ **27.72** million British thermal units per hour. ~~, capacity: 2,633,256 gallons of No. 2 fuel oil per year total.~~

(d) Two (2) diesel fuel reciprocating internal combustion engine test stands, known as EU-TS1 and EU-TS2, with a heat input rating of 0.008 million British thermal units per hour, capacity: 22 engines per hour.

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

(2) All occurrences of IDEM's mailing addresses have been updated in the permit. All addresses have been revised to include a mail code (MC) as follows:

Asbestos Section:	**MC 61-52 IGCN 1003**
Compliance Branch:	**MC 61-53 IGCN 1003**
Permits Branch:	**MC 61-53 IGCN 1003**
Technical Support and Modeling Section:	**MC 61-50 IGCN 1003**

(3) IDEM, OAQ has determined that it is no longer necessary to identify the Responsible Official in permits. Therefore, Condition A.1 has been revised to remove this reference.

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

The Permittee owns and operates a stationary manufacturing, testing and painting internal combustion engines source.

~~Responsible Official:~~	~~Director of Facilities~~
Source Address:	1000 5th Street, Columbus, Indiana 47201
Mailing Address:	P.O. Box 3005, Columbus, Indiana 47202-3005
SIC Code:	3519
County Location:	Bartholomew
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act

(4) The following Section E.1 has been added to the permit which includes the Plantwide Applicability Limitations Requirements.

SECTION E.1 Plantwide Applicability Limitations Requirements

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

Entire Source

Source wide emission limits [326 IAC 2-2.4-7(1)]

E.1.1 Emission limits [326 IAC 2-2.4-1(d)][326 IAC 2-2.4-7(1)]

(a) Pursuant to 326 IAC 2-2.4-7(1), the nitrogen oxides (NOx) emissions from the entire source shall not exceed 268.71 tons per 12 consecutive month period with compliance determined at the end of each month.

(b) Pursuant to 326 IAC 2-2.4-1(d), the Permittee shall continue to comply with all applicable federal or state requirements, emission limitations, and work practice requirements that were established prior to the effective date of the PAL

E.1.2 Major New Source Review Applicability [326 IAC 2-2.4-1(c)]

Pursuant to 326 IAC 2-2.4-1(c), any physical change in or change in the method of operation of this source that maintains its total source wide emissions below the PAL level, that meets the requirements in this rule, and that complies with the PAL permit:

(a) is not a major modification for the PAL pollutant;

(b) does not have to be approved through 326 IAC 2-2; and

(c) is not subject to 326 IAC 2-2-8(a)(3).

E.1.3 General PAL requirements [326 IAC 2-2.4-7, 326 IAC 2-2.4-8, 326 IAC 2-2.4-9, 326 IAC 2-2.4-10, 326 IAC 2-2.4-11, 326 IAC 2-2.4-15]

(a) Pursuant to 326 IAC 2-2.4-8(a), the requirements of this section E become effective on the issuance date of the PAL permit, and expire ten years after the issuance date of the PAL permit (SPM005-25282-00015).

(b) Pursuant to 326 IAC 2-2.4-10(b), if the Permittee applies to renew this PAL at least six months prior to expiration of the PAL, but no earlier than eighteen months prior to the expiration of the PAL, then notwithstanding the expiration date in subsection E.1.3(a), the PAL shall continue to be effective until the revised permit with the renewed PAL is issued. The application must contain the elements described in 326 IAC 2-2.4-3 and 326 IAC 2-2.4-10.

(c) Pursuant to 326 IAC 2-2.4-9(a), once this PAL expires, if not otherwise renewed, then the requirements of 326 IAC 2-2.4-9 are applicable.

(d) The Permittee shall comply with the requirements for renewing this PAL as described in 326 IAC 2-2.4-10.

(e) The Permittee shall comply with the requirements for increasing the emissions limits described in Condition E.1.1 as described in 326 IAC 2-2.4-11.

(f) The requirements applicable to terminating or revoking this PAL are described in 326 IAC 2-2.4-15.

Testing and Monitoring Requirements [326 IAC 2-2.4-7(6) & (7)] [326 IAC 2-2.4-12]

E.1.4 Nitrogen Oxides (NO_X) Emission Limit Determination [326 IAC 2-2.4-7(6) & (7)] [326 IAC 2-2.4-12]

The Permittee shall determine actual annual emissions of NOx by employing the following techniques:

(a) The Permittee shall calculate NOx emissions from burning natural gas in Boilers EU-03A, EU-03B, EU-03C and EU-03D, in tons, each calendar month, by multiplying the amount of natural gas burned in each calendar month by an NOx emission factor of 100 lb NOx/million cubic feet of natural gas burned in Boilers EU-03A, EU-03B, EU-03C and EU-03D.

(b) The Permittee shall calculate NOx emissions from burning fuel oil in Boilers EU-03A, EU-03B, EU-03C and EU-03D, in tons, each calendar month, by multiplying the amount of fuel oil burned in each calendar month by a NOx emission factor of 20 lb NOx/1000 gallons of fuel oil burned in Boilers EU-03A, EU-03B, EU-03C and EU-03D.

(c) The Permittee shall determine NOx emissions from diesel engines EU-02A, EU-03B, EU-TS1 and EU-TS2, in tons, each calendar month, by multiplying the amount of fuel oil burned in each calendar month by a NOx emission factor of 4.41 lb NOx/million British thermal unit for diesel engines EU-02A, EU-03B, EU-TS1 and EU-TS2.

(d) Within six (6) months after the issuance of Significant Permit Modification SPM005-25282-00015, the Permittee shall perform validation testing to determine a site-specific emission factor for emission units EU-02A and EU-02B.

(e) When determining the actual annual emissions of NOx, the Permittee shall include emissions occurring as a result of startups, shutdown, and malfunctions.

E.1.5 Revalidation of emissions determination methods [326 IAC 2-2.4-12(i)]

The Permittee shall revalidate the emissions determination methods described in Condition E.1.4 through performance testing or other scientifically valid means approved by the department no later than five years after the effective date of the PAL provisions.

Record keeping and reporting [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

E.1.6 Record keeping requirements [326 IAC 2-7-5(3)] [326 IAC 2-2.4-13]

(a) **The Permittee shall retain a copy of all records necessary to determine compliance with the requirements of this E Section, including a determination of each emissions unit's twelve (12) month rolling total emissions, for five years from the date of the record.**

(b) **The Permittee shall retain a copy of the PAL permit application, any applications for revisions to the PAL, each annual compliance certification as required by Condition B.9 of this permit, and data relied on in the certification for the duration of the PAL plus five years.**

E.1.7 Reporting requirements [326 IAC 2-7-5(3)] [326 IAC 2-2.4-14]

(a) **The Permittee shall submit a semi-annual report, containing the information described below, to the address listed in Section C – General Reporting Requirements, within thirty (30) days after the end of the calendar quarter being reported. This report requires the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). The report shall include the following information:**

(1) **The identification of the owner and operator of the facility and the permit number.**

(2) **Total emissions of NOx, in tons per rolling 12 month period for each month in the reporting period, as determined by Condition E.1.4.**

(3) **All data relied upon, including but not limited to, any quality assurance or quality control data, in determining emissions.**

(4) **A list of any emissions units modified or added to the major stationary source during the reporting period.**

(5) **If not previously reported pursuant to another condition in this permit, the number, duration, and cause of any deviations or monitoring malfunctions, other than the time associated with zero and span calibration checks, and any corrective action taken.**

(6) **If not required to be reported pursuant to another condition in this permit, information about monitoring system shutdowns including the following information:**

(A) **Notification to the department of the shutdown of any monitoring system.**

(B) **Whether the shutdown was permanent or temporary.**

(C) **The reason for the shutdown.**

(D) **The anticipated date that the monitoring system will be fully operational or replaced with another monitoring system.**

(E) **Whether the emissions unit monitored by the monitoring system continued to operate.**

(F) If the emission unit monitored by the monitoring system continued to operate, the calculation of the:

(i) Emissions of the pollutant; or

(ii) Number determined by method included in the permit, as provided by 326 IAC 2-2.4-12(g).

(b) The procedures for reporting deviations from the requirements of this Section E, and the procedures for reporting emissions in excess of the limits described in Condition E.1.1 are described in Condition B.15. A report that describes emissions exceeding the PAL limits shall include the quantity of emissions emitted by the source. This term satisfies the requirements of 326 IAC 2-2.4-14(c).

(c) The Permittee shall submit to the department the results of any revalidation test or method within three months of completion of the test or method. These results do not require responsible official certification.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

Section E.1 – Plantwide Applicability Limitations Requirements

Source Name: Cummins Inc. - Plant #1
Source Address: 1000 5th Street, Columbus, Indiana 47201
Mailing Address: P.O. Box 3005, Columbus, Indiana 47202-3005
Part 70 Permit No.: T 005-7433-00015
Facility: Source wide
Parameter: Plantwide Emission Limits for NOx
PAL Limit: 268.71 tpy of NOx

Quarter: Year: Pollutant	Actual Emission Estimates, tons								
	Month 1	Previous 11 Months	12-month Total	Month 2	Previous 11 Months	12-month Total	Month 3	Previous 11 Months	12-month total
Endurance Test Cells (EU-02A)									
NOx									
Performance Test Cells (EU-02B)									
NOx									
Test Stands (EU-TS1, EU-TS2)									
NOx									
Boilers (EU-03A - EU-03D)									
NOx									
TOTAL NOx									

Conclusion and Recommendation

The operation of this plant shall be subject to the conditions of the attached proposed Plantwide Applicability Limitations (PAL) Permit and Part 70 Significant Permit Modification No. SPM005-25282-00015. The staff recommends to the Commissioner that this Part 70 Significant Permit Modification be approved.

Appendix A

Baseline Actual Emissions and Proposed PAL Limits

Source Description and Location

Source Name:	Cummins Inc. - Plant #1
Source Location:	1000 5th Street, Columbus, Indiana 47201
County:	Bartholomew
SIC Code:	3519
Operation Permit No.:	T 005-7433-00015
Operation Permit Issuance Date:	May 15, 2001
Significant Permit Modification No.:	SPM 005-25282-00015
Permit Reviewer:	Linda Quigley/EVP

Cummins Inc., Plant #1 owns and operates a stationary manufacturing, testing and painting internal combustion engines source.

Plantwide Applicability Limitation (PAL)

Under the PAL rules in 326 IAC 2-2.4-6(a), the actuals PAL level is established as the sum of the baseline actual emissions rate for each PAL pollutant for each emissions unit at the source and an amount equal to the significant emission rate for the pollutant.

Cummins, Inc., Plant #1 applied for a PAL permit for NOx emissions. The sources of NOx emissions are the combustion units: natural gas fired boilers, endurance test cells, production test cells, and engine test stands.

Baseline Actual Emissions

Baseline actual emissions are defined in 326 IAC 2-2-1(e) as the average actual emissions from any 24 month period of the last 10 years. It includes downward adjustments for noncompliant emissions that may have occurred during the baseline period and for new applicable requirements that apply to emission units since the time of the baseline period.

In addition, according to 326 IAC 2-2.4-6(b), only one consecutive 24-month period shall be used to determine the baseline actual emissions for the PAL pollutant for all existing emissions units.

The baseline actual emissions are expressed by the following equation:

Baseline actual emissions = Average actual emissions from any 24 month period of last 10 years [includes fugitive emissions, and SSM event emissions] [326 IAC 2-2-1(e)(2)(A)]

minus

Noncompliant emissions that occurred during the 24 month period [326 IAC 2-2-1(e)(2)(B)]

For NOx baseline, Cummins Inc., Plant #1 has proposed to use as the baseline, the 24 month period beginning January 1, 1998 and ending December 31, 1999.

Emissions units

Only the emission units at the site with the potential to emit NOx are involved in this PAL permit.

The tables on the following pages provide the required information.

Table A-1: Site Emissions Units

Emission Unit ID	Description	Applicable requirements
EU-02A	33.73 MMBtu/hr (combined) diesel endurance test cells	See Section D.2 of Title V permit
EU-02B	27.72 MMBtu/hr (combined) diesel production test cells	See Section D.2 of Title V permit
EU-TS1/EU-TS2	0.008 MMBtu/hr diesel test stands	See Section D.2 of Title V permit
EU-03A	36 MMBtu/hr Natural gas/fuel oil boiler #2	See Section D.3 of Title V permit
EU-03B	36 MMBtu/hr Natural gas/fuel oil boiler #2	See Section D.3 of Title V permit
EU-03C	21 MMBtu/hr Natural gas/fuel oil boiler #2	See Section D.3 of Title V permit
EU-03D	50 MMBtu/hr Natural gas/fuel oil boiler #2	See Section D.3 of Title V permit

(1) Natural gas/oil fired boilers EU-03A, EU-03B, EU-03C, and EU-03D

The baseline actual emissions for Boilers EU-03A, EU-03B, EU-03C, and EU-03D are based on the amount of natural gas and fuel oil actually burned in 1998 and 1999. Cummins Inc. used current AP-42 emission factors for natural gas and No. 2 fuel oil boilers to determine actual emissions during the baseline period. Cummins reported actual emissions for all boilers as a group. Although the boilers have the ability of burning No. 2 fuel oil, only natural gas was burned in 1998 and 1999. Those emissions are summarized below.

Table A-2: Boilers EU-03A, EU-03B, EU-03C, and EU-03D actual emissions 1998-1999

Boiler #	Fuel burned In 1998 (natural gas)	Fuel burned in 1999 (natural gas)	AP-42 NOx factor [1]	NOx Emissions	
				1998	1999
EU-03A, EU-03B, EU-03C, EU-03D	249 MMcf	272 MMcf	140 lb/MMcf	17.43	19.04

(1) Emission factor from AP-42, Chapter 1.4, Table 1.4-1.
(2) Methodology: NOx emissions (tpy) = amount of fuel burned (MMcf) x emission factor (lb/MMcf) / 2000 lb/ton

(2) Diesel engine test cells

During 1998 and 1999, Cummins was running the test cells at maximum capacity for approximately two (2) shifts per day with the exception of routine maintenance. Records are not available for each individual unit but it is being assumed at this time that each production and endurance test cell was being used evenly for the tests that were conducted, based on information from employees that were present during aforementioned time period. Those emissions are summarized below.

Table A-3: Diesel engine test cells actual emissions as reported in 1998 and 1999 annual emission statements

Test Cells/stands #	Fuel burned In 1998	Fuel burned in 1999	AP-42 NOx factor (1)	NOx Emissions	
				1998	1999
EU-02A, EU-02B, EU-TS1, EU-TS2	866 kgal	962 kgal	4.41 lb/MMBtu-hr	267	297

(1) Emission factor from AP-42, Chapter 3.3, Table 3.3-1.
(2) Methodology: NOx emissions (tpy) = fuel usage (kgal) x 0.14 MMBtu/gal X emission factor (lb/MMBtu-hr) / 2000
Heating value of diesel fuel = 0.14 MMBtu/gallon

(3) Average of the Baseline Emissions

The baseline emissions for the period January 1, 1998 to December 31, 1999 are summarized in the table below. This table includes emissions units that have since been taken out of service, and which are deducted from the proposed PAL limits later in this Appendix.

Table A-4: Baseline actual emissions from proposed baseline period [1998-1999]

Emission unit ID	Description	NOx	
		1998 emissions [tons]	1999 emissions [tons]
EU-3A, EU-3B, EU-3C, EU-3D	natural gas fired/fuel oil fired boilers	17.43	19.04
EU-02A, EU-02B, EU-TS1, EU-TS2	endurance and production diesel engine test cells and test stands	267	297
	Total for site	284	316
	Baseline actual emissions	300 tons	

Because there are no deductions to be taken for non-compliant emissions, the baseline actual emissions for the period January 1, 1998 to December 31, 1999 are 300 tons/year for NOx.

Proposed PAL level

The PAL level is equal to the baseline actual emissions with a downward adjustment for emission units that have been removed from service, and with upward adjustments for new emission units added since the baseline period and the Major NSR significant increase level.

The establishment of the PAL emission level, as described above, also includes adjustments from the general rule to address emission units that have been shutdown or added since the baseline period. For a PAL, the emission limit can be described with the following equation:

The PAL emission level is expressed by the following equation:

PAL emission level = Baseline actual emissions [326 IAC 2-2-1(e)]

minus

Emissions from emission units that have been shut down since baseline period [326 IAC 2-2.4-6(c)]

plus

Potential to emit of emissions units that have started up since baseline period [326 IAC 2-2.4-6(d)]

minus

Potential to emit due to future compliance date of federal/state applicable requirements [326 IAC 2-2.4-6(e)]

plus

Significant emission increase [40 tons/yr for NOx]
[326 IAC 2-2.4-6(a)[

Table A-5: Proposed PAL level - NOx (tons/yr)	
Baseline actual emissions	300
Deduction for emission units taken out of service [average annual emissions during baseline period] (a) Endurance Test Cells (-17.82 tons/yr) (b) Production Test Cells (-53.47 tons/yr) Sum of deductions for shutdowns [326 IAC 2-2.4-6(c)]	-71.29
Increase for new emission units [326 IAC 2-2.4-6(d)] Since the baseline period, Cummins Inc. has not installed any new equipment.	0
Reduction due to future compliance of any applicable federal/state requirements [326 IAC 2-2.4-6(e)]	0
Major NSR significant emission increase	40
Proposed PAL level	**268.71**

Appendix B

Determination of PTE and Classification of Emission Units
And
Compliance Determination Requirements

Source Description and Location

Source Name:	Cummins Inc. - Plant #1
Source Location:	1000 5th Street, Columbus, Indiana 47201
County:	Bartholomew
SIC Code:	3519
Operation Permit No.:	T 005-7433-00015
Operation Permit Issuance Date:	May 15, 2001
Significant Permit Modification No.:	SPM 005-25282-00015
Permit Reviewer:	Linda Quigley/EVP

Cummins Inc., Plant #1 has submitted an application for a Title V Significant Permit Modification, pursuant to 326 IAC 2-7-12, in order to revise the permit to include provisions for Plantwide Applicability Limits [PAL] for nitrogen oxides [NOx]. This application includes the information required by 326 IAC 2-2.4-3.

Cummins, Inc., Plant #1 applied for a PAL permit for NOx emissions. The sources of NOx emissions are the combustion units: natural gas fired boilers, endurance test cells, production test cells, and engine test stands.

The proposed PAL for Cummins Inc., Plant #1 would establish a PAL of 268.71 ton/year for NOx. The basis for these values is given in the Appendix A.

Emissions Unit Designation

Pursuant to 326 IAC 2-2.4-3(1), all emissions units at the source must be designated whether the emission unit is small, significant, or major – based on the potential to emit of the emission unit.

(a) Small emission units are units with potential to emit less than PSD significant thresholds.

For NOx, this value is 40 tons per year. For this application, any emissions unit with potential to emit of less than 40 tons per year of NOx will be considered a small emission unit.

(b) Significant emission units are units with potential to emit equal to or greater than PSD significant thresholds, but less than 100 tons per year.

For this application, emission unit with potential to emit of at least 40 tons per year of NOx and less than 100 tons per year will be a significant emission unit.

(c) Major emission units are units with potential to emit equal to or greater than 100 tons per year.

Potential to Emit Determinations of Emissions units

(1) Natural gas/oil fired boilers EU-03A, EU-03B, EU-03C, and EU-03D

The NOx PTE for boilers EU-03A, EU-03B, EU-03C, and EU-03D is based on AP-42 emission factors for natural gas and #2 fuel oil boilers [100 lb NOx/MMcf natural gas (AP-42 Chapter 1.4, Table 1.4-1) and 20 lb NOx/1000 gallons #2 fuel oil (AP-42 Chapter 1.3, Table 1.3-1)].

Table B-1: Potential to emit for Boilers

Boiler #	Heat input Rating [MMBtu/hr]	Fuel heat value	Max amount of fuel burned	AP-42 NOx factor	NOx PTE [ton/yr]
03A - 03D (4 boilers)	143	1000 MMBtu/MMcf	0.143 MMcf/hr	100 lb/MMcf	62.6
03A - 03D (4 boilers)	143	0.140 MMBtu/ gallon	1.02 kgal/hr	20 lb/1000 gallons	89.48
Highest	--	--	--	--	89.48

(2) Diesel engines

The PTE for diesel engines is based on AP-42 emission factors found in AP-42, Chapter 3.3, Table 3.3-1.

Table B-2: Potential to emit for diesel test engines and stands

Engine	Service type	Capacity [MMBtu/hr]	NOx emission factor [lb/MMBtu-hr]	NOx PTE [ton/yr]
EU-02A (12 cells)	engine test cells	40.48	4.41	781.9
EU-02B (18 cells)	engine test cells	41.58	4.41	803.15
EU-TS1, EU-TS2	engine test stands	0.008	4.41	0.15

(3) Status Summary of Each Emission Unit

Table B-3: Site Emissions Units and Status [Emission units with NOx only]

Emission unit ID	Description	NO_x PTE [ton/yr]	Status	Applicable requirements
EU-02A (12 cells)	Engine Test Cells	781.9 (65.16 each)	Significant (each cell)	See Section D.2 of Title V permit
EU-02B (18 cells)	Engine Test Cells	803.15 (44.62 each)	Significant (each cell)	See Section D.2 of Title V permit
EUTS1, EUTS2	Engine Test Stands	0.15	Small	See Section D.2 of Title V permit
EU-03A	36 MMBtu/hr Natural gas/fuel oil boiler #2	22.07	Small	See Section D.3 of Title V permit
EU-03B	36 MMBtu/hr Natural gas/fuel oil boiler #2	22.07	Small	See Section D.3 of Title V permit
EU-03C	21 MMBtu/hr Natural gas/fuel oil boiler #2	12.88	Small	See Section D.3 of Title V permit
EU-03D	50 MMBtu/hr Natural gas/fuel oil boiler #2	30.66	Small	See Section D.3 of Title V permit

Proposed Monitoring and Emission Calculation Requirements

326 IAC 2-2.4-12 establishes the monitoring requirements for determining compliance with PAL emission limits. These provisions authorize four types of techniques for determining actual emissions:

(1) Mass balance calculations for activities using coatings or solvents

(2) Continuous emissions monitoring systems [CEMS]

(3) Continuous parametric monitoring systems [CPMS] or parametric monitoring systems [PEMS]

(4) Emission factors

The rules also authorize the use of an alternative monitoring system if it is approved by IDEM.

Cummins Inc., Plant #1 proposes to utilize emissions factors.

Pursuant to 326 IAC 2-2.4-12(f), an owner or operator using emission factors to monitor PAL pollutant emissions shall meet the following requirements:

(1) All emission factors shall be adjusted, if appropriate, to account for the degree of uncertainty or limitations in the factors' development.

(2) The emissions unit shall operate within the designated range of use for the emission factor if applicable.

(3) If technically practicable, the owner or operator of a significant emissions unit that relies on an emission factor to calculate PAL pollutant emissions shall conduct validation testing to determine a site-specific emission factor within six (6) months of PAL permit issuance unless the department determines that testing is not required.

(1) Natural gas/fuel oil boilers

Cummins proposes to use AP-42 emission factors to determine NOx emissions from the four (4) natural gas/#2 fuel oil boilers.

For NOx emissions, Cummins Inc. will use the AP-42 emission factor of 100 lb NOx per million cubic feet of gas burned and 20 lb NOx per 1000 gallons of fuel oil burned.

Cummins Inc. will measure the amount of natural gas and #2 fuel oil burned in each of the four boilers each month and apply those fuel consumption rates to the emission factors to determine actual emissions.

All of the boilers are classified as "Small" emission units under the PAL, and therefore, no stack tests to develop site-specific emission factors are required under 326 IAC 2-2.4-12(f)(3).

(2) Diesel engines [engine test cells, engine test stands]

Cummins Inc., proposes to use AP-42 emission factors to determine NOx emissions from the engine test cells and engine test stands.

For NOx emissions, Cummins Inc. will use the AP-42 emission factor of 4.41 lb NOx per MMBtu diesel input.

Cummins Inc. will measure the amount of diesel fuel burned in each of the diesel engine test cells and diesel engine test stands each month and apply those fuel consumption rates to the emission factor to determine actual emissions.

These NOx emission factors need to be adjusted for uncertainty or other limitations. The NOx emission factor for diesel fuel oil has a low rating ["D"], and all of the endurance and production test engines are classified as "Significant" emission units under the PAL. Therefore, stack tests to develop site-specific emission factors are required under 326 IAC 2-2.4-12(f)(3).