



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: October 5, 2006

RE: Cummins Engine Company - Midrange Engine Plant / 005-23673-00047

FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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

Enclosures
FNPER-AM.dot 03/23/06



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

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Governor

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Indianapolis, Indiana 46204-2251
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October 5, 2006

Mr. Randall Surface
Cummins Engine Company – Midrange Engine Plant
P. O. Box 3005, MC 71327
Columbus, IN 47201

Re: Exemption for a Temporary Operation
TO No. 005-23673-00047

Dear Mr. Surface:

On September 20, 2006, Cummins Engine Company – Midrange Engine Plant, located at I-65 and Highway 58 in Columbus, Indiana 47201, submitted a letter informing the Office of Air Quality (OAQ) of the intention to test existing engines using an alternate fuel (B5 biodiesel) instead of #2 diesel fuel to verify that the engines can use the B5 biodiesel. The emissions from the engine test cells will exhaust to existing stacks, identified as S02 and S04.

Temporary Operation General Information

Unit: Temporary use of B5 biodiesel in engine test cells, identified as EU-P02 and EU-P04 for determination if this alternate fuel will work in the engines.
Location of the Operation: I-65 at Highway 58, Columbus, IN 47201
County: Bartholomew
County Status: Attainment for all criteria pollutants
Purpose of the Operation: Use B5 biodiesel fuel in the existing engines to test their effectiveness.
Starting Date of the Operation: Seven days from the notification date [326 IAC 2-1.1-3(h)(3)(F)]
Duration of the Operation: 30 days of actual operation

Applicable Requirements

Pursuant to 326 IAC 2-1.1-3(h)(3) (Exemption for Temporary Operation and Experimental Trials), the above mentioned engine test cells shall satisfy the following requirements while conducting the temporary operation or experimental trial:

- 1. The potential emissions from the temporary operation or experimental trial shall be less than 25 tons per year for the duration of the operation. [326 IAC 2-1.1-3(h)(3)(A)]
2. The temporary operation or experimental trial shall not be a major source or modification as defined under 326 IAC 2-2, 326 IAC 2-3 or 326 IAC 2-7. [326 IAC 2-1.1-3(h)(3)(B)]
3. The purpose of the temporary operation or experimental trial is to:
(a) collect data for experimental purposes, including, but not limited to, process improvements, new product development, and pollution prevention. [326 IAC 2-1.1-3(h)(3)(C)(i)]
(b) temporarily conduct an operation not considered as part of the normal operation or production of the source. [326 IAC 2-1.1-3(h)(3)(C)(ii)]

4. The temporary operation or experimental trial shall not be part of the existing normal operation or production of the source. [326 IAC 2-1.1-3(h)(3)(C)(ii)]
5. The duration of the temporary operation or experimental trial shall be less than thirty (30) days of total operating time. [326 IAC 2-1.1-3(h)(3)(D)]
6. The Permittee shall submit a report containing the following information, within seven (7) days after the conclusion of the temporary operation or experimental trial:
[326 IAC 2-1.1-3(h)(3)(G)]
 - (a) The actual start date of the construction and operation.
[326 IAC 2-1.1-3(h)(3)(G)(i)]
 - (b) The duration of the temporary operation or experimental trial.
[326 IAC 2-1.1-3(h)(3)(G)(ii)]
 - (c) The actual emissions occurring during the temporary operation or experimental trial. [326 IAC 2-1.1-3(h)(3)(G)(iii)]
7. The report shall be submitted to:
Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
Indianapolis, Indiana 46204-2251

Expiration Date

This approval expires after 30 days of actual operating time of the alternate fuel in the engine test cells.

IDEM Contact

If you have any questions regarding this approval, please contact James Farrell of my staff at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-8396 or toll free at 1-800-451-6027 extension 3-8396 or by e-mail at jfarrell@idem.in.gov.

Sincerely,

Origin signed by

Nisha Sizemore, Chief
Permits Branch
Office of Air Quality

Enclosure: Temporary Operation Report
Technical Support Document

cc: File – Bartholomew County
U.S. EPA, Region V
Bartholomew County Health Department
Air Compliance Section – Vaughn Ison
Compliance Branch
Administrative and Development Section
Technical Support and Modeling – Michele Boner
Elizabeth J. Hill – Bruce Carter Associates, LLC
Stan Woszczyński, Cummins Engine Company – Midrange Engine Plant

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

Temporary Operation Report

Source Name:	Cummins Engine Company – Midrange Engine Plant
Source Location:	I-65 at Highway 58, Columbus, IN 47201
Mailing Address:	P. O. Box 3005, MC 71327 Columbus, IN 47201
County:	Bartholomew
SIC Code:	3519
Exemption No.:	TO005-23673-00047
Exemption Writer:	James Farrell

Temporary Operation	
Type of unit/operation:	
Actual starting date of the construction:	
Actual ending date of the construction:	
Actual starting date of the operation:	
Actual ending date of the operation:	
Actual number of days of the operation:	
Calculated emissions during the duration of the operation:	
Additional Comments:	

<p>I certify under penalty of law that this report was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.</p>
Signature:
Printed Name:
Title/Position:
Date:

cc: Air Compliance Section - VEI

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

Technical Support Document (TSD) for an Exemption of a Temporary Operation

Source Background and Description

Source Name:	Cummins Engine Company – Midrange Engine Plant
Source Location:	I-65 at Highway 58, Columbus, IN 47201
County:	Bartholomew
SIC Code:	3519
Part 70 Operation Permit No.:	T005-7672-00047
Part 70 Operation Permit Issuance Date:	May 5, 2000
Exemption No.:	TO005-23673-00047
Exemption Writer:	James Farrell

Proposed Temporary Operation

On September 20, 2006, the Office of Air Quality (OAQ) received a letter from Cummins Engine Company – Midrange Engine Plant, requesting to test existing engines using B5 biodiesel instead of #2 diesel fuel to verify that the engines can use this alternate fuel. The emissions from the test cells will exhaust to existing stacks, identified as S02 and S04. The purpose of the temporary test is to determine how the engines perform while using the alternate fuel. Existing emissions limitations specified in the Part 70 Permit T005-7672-00047 will be maintained.

Recommendation and Conclusion

- (1) Unless otherwise stated, information used in this review was derived from information submitted by the applicant.
- (2) A letter for the purposes of this review was received on September 20, 2006.
- (3) The operation of the temporary use of B5 biodiesel in engine test cells is being processed as an exemption in accordance with 326 IAC 2-1.1-3(h).
- (4) Based on the facts, conditions and evaluations made, OAQ staff recommends to the IDEM Commissioner that the exemption for temporary operation approval TO005-23673-00047 be issued.
- (5) A copy of the findings is available on the Internet at: www.in.gov/idem/permits/air/pending.html.

IDEM Contact

Questions regarding this approval can be directed to James Farrell at the Indiana Department of Environmental Management, Office of Air Quality, 100 North Senate Avenue, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-8396 or toll free at 1-800-451-6027 extension 3-8396 or by e-mail at jfarrell@idem.in.gov.

For additional information about air permits and how the public can participate, see IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.in.gov/idem/permits/guide/.