



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: November 25, 2008

RE: Lehigh Cement Company / 093-27154-00002

FROM: Matthew Stuckey, Branch 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, Suite N 501E, 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.dot12/3/07



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Mr. Scott Quaas
Lehigh Cement Company
180 North Meridian Road
Mitchell, IN 47446

November 25, 2008

Re: Approval for a Temporary Operation and an
Experimental Trial
EX No. 093-27154-00002

Dear Mr. Quaas:

On November 14, 2008, Lehigh Cement Company submitted a letter informing the Office of Air Quality (OAQ) of the intention to conduct a temporary operation and experimental trial related to the use of engineered fuel (VEF) in kiln #1 (EU15). The engineered fuel would utilize the existing alternative fuels receiving and delivery system (F19) and will be blended with coal prior to injection into kiln #1. The temporary operation will be conducted in two (2) phases. Phase I will focus on the feed dynamics of the existing alternative fuels receiving and delivery systems (F19). During Phase I, VEF input to kiln #1 will not exceed forty (40) tons. Phase II will focus on the kiln system dynamics as the VEF feed rate is increased to replace coal at a maximum of fifty percent (50%) heat input. During Phase II, VEF input to kiln #1 will not exceed two thousand (2,000) tons. The potential to emit of all regulated pollutants are less than twenty-five (25) tons for the duration of the operation.

Experimental Operation General Information

Unit:	Kiln #1 (EU15)
Location of the Operation:	180 North Meridian Road, Mitchell, IN 47446
County:	Lawrence
County Status:	Attainment or unclassifiable for all criteria pollutants
Purpose of the Experimental Trial:	(1) To conduct a trial of the use of an engineered fuel as an alternative fuel in kiln #1 (EU15); (2) Collect data regarding the feed dynamics of the existing alternative fuels receiving and delivery system (F19); (3) Collect data regarding the impact of the engineered fuel on kiln #1 emissions and on the quality of the clinker.
Starting Date of the Operation:	Phase I: December 22, 2008 Phase II: January 5, 2009 [326 IAC 2-1.1-3(h)(3)(F)]
Duration of the Operation:	Less than 30 days of actual operation
Testing parameters:	Emissions of PM, PM ₁₀ , SO ₂ , NO _x , VOC, CO, Lead, and H ₂ SO ₄

Applicable Requirements

Pursuant to 326 IAC 2-1.1-3(h) (Exemption for Temporary Operation and Experimental Trial), the above mentioned temporary operation and experimental trial shall satisfy the following requirements:

1. The potential emissions from the operation are less than 25 tons per year for the duration

- of the operation. [326 IAC 2-1.1-3(h)(3)(A)]
2. The operation is not a major source or modification as defined under 326 IAC 2-2, or 326 IAC 2-7. [326 IAC 2-1.1-3(h)(3)(B)]
 3. The purpose of the operation is to:
 - (a) collect data for experimental purposes, including, but not limited to, process improvements, new product development, and pollution prevention; or [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 facility or source. [326 IAC 2-1.1-3(h)(3)(C)(ii)]
 4. The duration of the temporary operation or experimental trial is less than 30 days of total operating time. [326 IAC 2-1.1-3(h)(3)(D)]
 5. The Permittee shall submit a report containing the following information, at most seven (7) days after the conclusion of the temporary operation: [326 IAC 2-1.1-3(h)(3)(G)]
 - (a) The actual dates of the construction and operation.
 - (b) The duration of the operation.
 - (c) The actual emissions occurring during the operation.
 6. The report shall be submitted to:
Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Expiration Date

This approval expires after 30 days of actual operating time of the temporary operation and experimental trial related to the use of an engineered fuel as an alternative fuel at Kiln #1 (EU15).

IDEM Contact

If you have any questions regarding this approval, please contact Jenny Acker of my staff at the Indiana Department Environmental Management, Office of Air Quality, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 233-9327 or toll free at 1-800-451-6027 extension 3-9327.

Original signed by,

Chrystal A. Wagner, Section Chief
Permits Branch
Office of Air Quality

Enclosure: Temporary Operation and Experimental Trial Report
cc: File – Lawrence County
Lawrence County Health Department
Air Compliance Inspector – David Harrison

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

Temporary Operation and Experimental Trial Report

Source Name: Lehigh Cement Company
Source Location: 180 North Meridian Road, Mitchell, IN 47446
County Location: Lawrence
Experimental Operation: 093-27154-00002

Experimental 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:	

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.

Signature:

Printed Name:

Title/Position:

Date:

cc: Air Compliance Inspector – David Harrison