



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: April 25, 2005
RE: Indiana Michigan Power Company / 029-21059-00002
FROM: Paul Dubenetzky
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 1/10/05



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

04-25-2005

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

Thomas W. Easterly
Commissioner

Mr. William Vineyard
1 Riverside Plaza
Columbus, OH 43215-2373

Re: Experimental Operation
EO No. 029 -21059-00002

Dear Mr. Vineyard:

On March 28, 2005, Indiana Michigan Power Company (dba American Electric Power), Columbus, Ohio, submitted a letter informing the Office of Air Quality (OAQ) of the intention to perform a test as an experimental operation at their Tanners Creek Plant 2 located in Lawrenceburg, Indiana.

Experimental Operation General Information

Unit: Tanners Creek Plant 2
Location of the Operation: Lawrenceburg, Indiana
County: Dearborn
County Status: Nonattainment for ozone under the 8 hour standard and for PM 2.5
Attainment for all other pollutants
Purpose of the Operation: Conduct test of a High Energy Reagent Technology for the purpose of evaluating NOx reduction potential on Tanners Creek Plant Unit 2. The test will consist of injecting a 40% urea solution into the Unit 2 boiler through existing ports at a flow rate of three (3) to eight (8) gallons per minute. Approximately eight (8) 30 minute runs per day will be conducted over a period of four (4) days.
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
Testing parameters: NOx

Applicable Requirements

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

- 1. The potential emissions from the operation should be less than 25 tons per year for the duration of the operation. [326 IAC 2-1.1-3(h)(3)(A)]
2. The operation should 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 operation 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 experimental trial should 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 experimental operation should not exceed 30 days of actual operation. [326 IAC 2-1.1-3(h)(3)(D)]
- or
5. The duration of the experimental trial should not exceed 72 hours of actual operation. [326 IAC 2-1.1-3(h)(3)(E)]
6. The source shall submit a report containing the following information, seven (7) days after the conclusion of the experimental 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.
7. The report shall be submitted to:
Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
Indianapolis, Indiana 46204

Experimental Trial Expiration Date

This approval expires after 30 days of actual operating time of the experimental operation.

If you have any questions regarding this approval, please contact Walter Habeeb of my staff at 317-232-8422 or at 1-800-451-6027, ext 2-8422.

Sincerely,

Original signed by
Kathy Moore, Section Chief
Permits Branch
Office of Air Quality

WVH

Enclosure: Experimental Trial Operation Report (1 page)

cc: File - Dearborn County

Dearborn County Health Department
Air Compliance Section – Dan Hancock

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

Experimental Trial Operation Report

Source Name: Indiana Michigan Power Company, Tanners Creek Plant Unit 2
 Source Location: Lawrenceburg, Indiana
 County: Dearborn
 EO No.: 029-21059-00002
 Approval Reviewer: Walter Habeeb

Milestone Schedule	
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 – Dan Hancock