



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
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Toll Free (800) 451-6027
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Mr. Patrick Coughlin
1000 E Main St.
Plainfield, IN 46168

September 28, 2010

Re: Experimental Operation
EO No. 051-29664-00013

Dear Mr. Coughlin:

On September 10, 2010, Duke Energy Indiana, Inc., Gibson Generating Station, Owensville, Indiana, submitted a letter informing the Office of Air Quality (OAQ) of the intention to perform various activated carbon injection scenarios upstream of the electrostatic precipitator for Unit 2 as an experimental operation.

Experimental Operation General Information

Unit:	Unit 2
Location of the Operation:	1097 N 950 W, Owensville, Indiana
County:	Gibson
County Status:	Attainment
Purpose of the Operation:	To evaluate various mercury control technologies in anticipation of an EPA utility MACT Rule
Starting Date of the Operation:	September 8, 2010
Duration of the Operation:	30 days of actual operation
Testing parameters:	Mercury, PM, PM10, PM2.5

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)]
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
P. O. Box 6015
Indianapolis, Indiana 46206-6015

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 Jillian Bertram of my staff at 317-233-1782 or at 1-800-451-6027, ext 3-1782.

Sincerely,



Matthew Stuckey, Chief
Permits Branch
Office of Air Quality

JLB

cc: File – Gibson County
Gibson County Health Department
Air Compliance and Compliance Branch – Dan Hancock

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

Experimental Trial Operation Report

Source Name: Duke Energy Indiana, Inc., Gibson Generating Station
 Source Location: 1097 N 950 W, Owensville, Indiana
 County: Gibson
 EO No.: 051-29661-00013
 Approval Reviewer: Jillian Bertram

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:	

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 and Enforcement Branch – Dan Hancock

Mail Code 61-53

IDEM Staff	MIDENNEY 9/28/2010 Duke Energy Indiana, Inc. - Gibson Generating Sta 051-29664-00013 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	 Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

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1		Patrick Coughlin Duke Energy Indiana, Inc. - Gibson Generating Stat 1000 E Main St Plainfield IN 46168 (Source CAATS)										
2		Thomas J Guthrie VP - Gibson Generating Station Duke Energy Indiana, Inc. - Gibson Generating Stat c/o P Coughlin, 1000 E Main St Plainfield IN 46168 (RO CAATS)										
3		Princeton City Council and Mayors Office 603 South Main Street Princeton IN 47670 (Local Official)										
4		Gibson County Health Department 800 S. Prince St., Courthouse Annex Princeton IN 47670-2664 (Health Department)										
5		Attn: Erin Gorman TRC Enviromental Corporation 1200 Wall Street West, 2nd Floor Lyndhurst NJ 07071 (Consultant)										
6		Gibson County Commissioners 101 N. Main Street Princeton IN 47670 (Local Official)										
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