



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
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June 14, 2012

Patrick Coughlin
Duke Energy, Inc. - Cayuga Generating Station
1000 E. Main St.
Plainfield, IN 46168

Re: Approval for a Temporary Operation No.
E 165-31882-00001 to Part 70 operating
No. T 165-27260-00001

Dear Mr. Coughlin:

On May 15, 2012, Duke Energy, Inc. - Cayuga Generating Station submitted a letter informing the Office of Air Quality (OAQ) of their intention to conduct a temporary operation.

Duke Energy, Inc. - Cayuga Generating Station plans to evaluate the use of hydrated lime as a MACT strategy. The hydrated lime will be injected into the flue gas prior to the ESP. The hydrated lime will be delivered by trucks and pneumatically loaded to portable silos that will be brought to the site to store the hydrated lime. Particulate matter emissions generated during the loading process will be controlled by a bin vent filter.

The uncontrolled emissions from this temporary operation are less than the PSD significant levels of 25 tons per year for PM, 15 tons per year for PM₁₀, 10 tons per year for PM_{2.5}, 100 tons per year for CO, and 40 tons per year, each, for NO_x and SO₂.

Temporary Operations General Information

Units	Hydrated lime injection system including portable lime silos.
Location of the Operation:	3300 North State Road 63, Cayuga, IN 47928
County:	Vermillion
County Status:	Attainment for all criteria pollutants
Starting Date of the Operation:	May 24, 2012
Duration of the Operation:	Less than 30 days of total operating time
Activity:	Research and Development

Applicable Requirements

Pursuant to 326 IAC 2-1.1-3(h) (Exemption for Temporary Operations), the above mentioned temporary operations 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 temporary operation is to:
 - (a) 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 operations 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 operations: [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

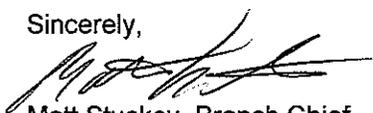
Expiration Date

The approval for the Temporary Operations expires after 30 days of total operating time.

IDEM Contact

If you have any questions regarding this approval, please contact Ghassan Shalabi 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) 234-5378 or toll free at 1-800-451-6027 extension 4-5378.

Sincerely,



Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Enclosure: Temporary Operations Report

cc: File - Vermillion County
Vermillion County Health Department
Compliance and Enforcement Branch

Mr. Barry Pulskamp
Duke Energy, Inc. - Cayuga Generating Station
1000 E. Main St.
Plainfield, IN 46168

Unit	Test date	Test Results	Load	%Ash as recieved
2	11/18/2010	0.0439	513 MW	10.11
1	3/9/2009	0.005	529 MW	8.39
2	11/25/2008	0.013	519 MW	Missing
1	9/6/2007	0.025	528 MW	8.51
2	8/25/2006	0.03	510 MW	Missing

Mail Code 61-53

IDEM Staff	MIDENNEY 6/14/2012 Duke Energy Indiana, Inc. - Cayuga Generating Station 165-31882-00001 (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	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Patrick Coughlin Duke Energy Indiana, Inc. - Cayuga Generating Stat 1000 E Main St Plainfield IN 46168 (Source CAATS)										
2		Barry E Pulskamp Sr VP - Regulated Fleet ops Duke Energy Indiana, Inc. - Cayuga Generating Stat c/o P Coughlin, 1000 E Main St Plainfield IN 46168 (RO CAATS)										
3		Cayuga Town Council PO Box 33 Cayuga IN 47928 (Local Official)										
4		Vermillion County Health Department 257 Walnut Street Clinton IN 47842-2342 (Health Department)										
5		Vermillion County Commissioners P.O. Box 190 Newport IN 47966 (Local Official)										
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