



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live*

Frank O'Bannon  
Governor

Lori F. Kaplan  
Commissioner

Mr. Darrell Bayless  
Hoosier Energy – Ratts Station  
P.O. Box 908  
Bloomington, Indiana 47402

August 31, 2000

100 North Senate Avenue  
P.O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.state.in.us/idem

Re: Response to Review Request  
125-12497-00001

Dear Mr. Bayless:

A letter from Hoosier Energy requesting an approval to burn a carbon blend in one of the boilers, identified as Unit #2, located at the Ratts Generating Station, State Highway 57, Petersburg, Indiana, was received on September 7, 1999. The carbon blend material is a by-product from the operations from Grain Processing Company (GPC), another source located in Pike County. Unit #2 has a maximum capacity of 1300 mmBtu/hr and uses coal as its primary fuel. More information about the carbon by-product was sent on November 24, 1999. However, more information from testing was needed in order to process the request appropriately; therefore, Hoosier Energy submitted test results on July 10, 2000.

Based on the test results submitted that show no increase in potential to emit from Unit #2, when burning coal and carbon blend; carbon blend will never be burned by itself as the primary fuel; and no physical modification was made to the boiler to enable the boiler to burn the carbon blend material, the IDEM, OAM approves the use of the GPC carbon blend material as a fuel that may be burned in Unit #2. The particulate emissions during the test of the coal/carbon blend burn were less than emissions from coal burned in Unit #2.

Since the Part 70 Operating Permit for Hoosier Energy – Ratts Station has not been issued, the description of Unit #2 shall be changed to reflect Unit #2 as a “coal and carbon blend-fired boiler.”

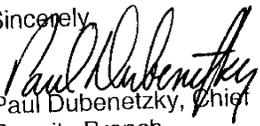
Also, in order for Hoosier Energy – Ratts Station to ensure compliance with 326 IAC 6-2-3, the coal to carbon blend ratio used for the test shall be used as a usage limit and also be included in the Part 70 operating permit, as follows:

Particulate Matter Emissions Limitations [326 IAC 6-2-3]

The coal to carbon blend usage ratio shall be limited to twenty-five percent (25%) carbon blend and seventy-five percent (75%) coal when burning both materials in Unit #2. Compliance with this usage limitation satisfies the requirements of 326 IAC 6-2-3.

If you have any questions on this matter, please call Kimberly Titzer at (800) 451-6027, press 0 and ask for extension 3-8396, or dial (317) 233-8396.

Sincerely,

  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Management

kt  
cc: File - Pike County  
Air Compliance – Dan Hancock  
Permit Tracking - Janet Mobley  
Title V Permit File: T125-6932-00001