

COMMONWEALTH OF KENTUCKY  
BEFORE THE KENTUCKY STATE BOARD ON  
ELECTRIC GENERATION AND TRANSMISSION SITING

In the Matter of:

THE APPLICATION OF THOROUGHNBRED	)	
GENERATING COMPANY, LLC FOR A MERCHANT	)	CASE NO.
POWER PLANT CONSTRUCTION CERTIFICATE	)	2002-00150
IN MUHLENBERG, COUNTY, KY	)	

THOROUGHNBRED'S SUPPLEMENTAL RESPONSE TO  
BIG RIVERS ELECTRIC CORPORATION'S  
FIRST DATA REQUEST TO APPLICANT

Applicant, Thoroughbred Generating Company, LLC ("Thoroughbred") submits the following supplemental response to Data Request No. 23 of the First Data Request of Big Rivers Electric Corporation ("BREC").

***Data Request No. 23.***

State the specific amount of Class II increment that the proposed Thoroughbred generating facility will consume in Ohio County for the pollutants SO<sub>2</sub>, NO<sub>x</sub>, and PM<sub>10</sub> for 3-hour, 24-hour and annual averaging periods based on the maximum permitted emissions for the Plant at full capacity, and state the amount of Class II increment remaining for use by new or modified sources in Ohio, McLean and Muhlenberg counties for all such pollutants after the Plant is constructed.

***Supplemental Response:***

Without waiving its prior objections, Thoroughbred supplements its initial response to this data request (served September 8, 2003) as follows. The final version of the following Table 1 was difficult to read due to a font change that caused spacing errors in the table. The information provided is the same but the spacing has been corrected.

In addition, a second table is being provided. Table 2 states the remaining pollutant specific Class II increment based on the increment consumption shown in the Final Determination for the Thoroughbred Generating Company air permit. The summary in the Final Determination document used cumulative increment consumed (not just consumption by the Thoroughbred facility) and used the high-first-high modeled

impact for short term increment consumption rather than the high-second-high value as is normally done. These differences are reflected in note 1 to each table.

**TABLE 1: Remaining Pollutant Specific Increment by County and Averaging Time**

Pollutant	Ohio County			McLean County			Muhlenberg County <sup>1</sup>		
	3-hour	24-hour	annual	3-hour	24-hour	annual	3-hour	24-hour	annual
$PM_{10}(\mu\text{g}/\text{m}^3)^*$	-	NA	NA	-	NA	NA	-	21.83	15.31
$NO_x(\mu\text{g}/\text{m}^3)^{**}$	-	-	NA	-	-	NA	-	-	24.24
$SO_2(\mu\text{g}/\text{m}^3)^{***}$	341.72	43.02	15.7	NA	NA	NA	339.6	70.05	18.43

\*  $PM_{10}$  does not have a 3-hour averaging time increment

\*\*  $NO_x$  does not have 3-hour or 24-hour averaging time increment

<sup>1</sup> The increment remaining in Muhlenberg County is based on the consumption listed in the last public notice for the Thoroughbred Permit and using the high-second-high values as is normally done.

**TABLE 2: Remaining Pollutant Specific Increment by County and Averaging Time**

Pollutant	Ohio County			McLean County			Muhlenberg County <sup>1</sup>		
	3-hour	24-hour	annual	3-hour	24-hour	annual	3-hour	24-hour	annual
$PM_{10}(\mu\text{g}/\text{m}^3)^*$	-	NA	NA	-	NA	NA	-	21.14	15.31
$NO_x(\mu\text{g}/\text{m}^3)^{**}$	-	-	NA	-	-	NA	-	-	24.31
$SO_2(\mu\text{g}/\text{m}^3)^{***}$	243.08	40.44	15.7	NA	NA	NA	325.5	37.2	16.75

\*  $PM_{10}$  does not have a 3-hour averaging time increment

\*\*  $NO_x$  does not have 3-hour or 24-hour averaging time increment

<sup>1</sup> The increment remaining in this chart is based on the increment consumption reported in the Final Determination for the Thoroughbred Generating Station, which is cumulative increment consumption, not just consumption by Thoroughbred. Also, the high-first-high was reported for the short term increment consumption in the Final Determination, instead of the high-second-high as is normally done.

**CERTIFICATE OF SERVICE**

It is hereby certified that a copy of the foregoing Supplemental Response by Thoroughbred to Big Rivers Electric Corporation's First Data Request was sent by United States First Class Mail, sufficient postage prepaid, to the following this the 2<sup>nd</sup> day of OCTOBER, 2003.

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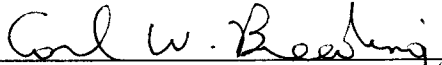
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