

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE ELECTRONIC APPLICATION OF	)	
EAST KENTUCKY POWER COOPERATIVE, FOR	)	
APPROVAL TO AMEND ITS ENVIRONMENTAL	)	CASE NO.
COMPLIANCE PLAN AND RECOVER COSTS	)	2024-00177
PURSUANT TO ITS ENVIRONMENTAL	)	
SURCHARGE, AND FOR ISSUANCE OF	)	
NECESSITY AND OTHER RELIEF	)	

CERTIFICATE

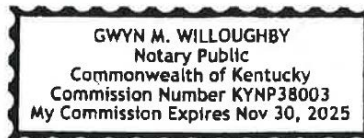
STATE OF KENTUCKY )  
 )  
 COUNTY OF CLARK )

Joseph VonDerHaar, being duly sworn, states that he has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission Staff's Request for Semi- Annual Update in the above-referenced case dated January 11, 2024, and that the matters and things set forth therein are true and accurate to the best of his knowledge, information and belief, formed after reasonable inquiry.

*Joseph VonDerhaar*

Subscribed and sworn before me on this 19th day of December 2024.

*Gwyn M. Willoughby*  
 Notary Public



**EAST KENTUCKY POWER COOPERATIVE, INC.**  
**CASE NO. 2023-00177**  
**SEMI-ANNUAL REPORT**  
**PURSUANT TO THE COMMISSION'S ORDER**  
**DATED JANUARY 11, 2024**

**ORDER DATED JANUARY 11, 2024**

**ORDERING PARAGRAPH 6: REQUEST FOR SEMI-ANNUAL UPDATE**

**RESPONSIBLE PARTY: Joe VonDerHaar**

**Request.** EKPC will provide a status update to the Commission on a semi-annual basis, as associated with the beneficial use of the Spurlock Station's fly ash, bottom ash and gypsum.

**Response.** EKPC does consider the beneficial reuse of coal combustion residuals at Spurlock Station. Spurlock Station fly ash from Units 1 and 2 is not a saleable product because wastewater from the ELG system is used to wet the fly ash and then transport it to a landfill. Spurlock fly ash from Units 3 and 4 is a comingled product of fly ash and gypsum that is produced in the dry scrubbing process that is required to reduce sulfur emissions. The Spurlock 3 and 4 bed ash is not suitable for sale due to the high lime content in the product. The bottom ash from Spurlock 1 and 2 would be useable in a beneficial reuse market such as for making CMU blocks or for use as anti-skid material for roadways. Bottom ash at Spurlock station only makes up approximately 40,000 tons per year.

There has been market interest in this product but nothing on a consistent long-term basis. EKPC uses bottom ash, which has a granular consistency for building roadways internal to our landfills, replacing the purchase of aggregates.

The wet flue gas desulfurization system on Spurlock 1 and 2 produces about 300,000 to 400,000 tons of gypsum annually. This is not wallboard quality gypsum. To make existing gypsum into wallboard grade quality and to install the material handling system is very expensive. In September 2024, EKPC entered into an interim agreement with a company to purchase Spurlock gypsum for beneficial reuse in wallboard. The gypsum will be sold as-is and the purchaser intends to take the necessary steps to meet the specifications required for use in wallboard once it reaches their facility. The interim agreement is exclusive to the purchaser and intended to be a 6-month trial period to ensure the purchaser is able to utilize the gypsum in their wallboard. Upon completion of the 6-month interim agreement, both EKPC and the purchaser have the option to finalize terms on a long-term agreement, extend the trial an additional 6-months, or terminate the agreement.