

Kentucky Power Company
KPSC Case No. 2023-00159
Walmart's First Set of Data Requests
Dated August 14, 2023

DATA REQUEST

Walmart Please refer to the Direct Testimony of Timothy C. Kerns, p. 23, lines 5-
1_8 10, and explain why the Company waited until December 2, 2022 to replace the cracked retaining ring that was discovered on November 13, 2022.

RESPONSE

On November 13, 2022, a mechanic working on the generator noticed a drop of oil on the retaining ring and alerted plant management. The Company discovered a crack on the generator rotor collection end retaining ring and immediately engaged AEPSC Engineering Services to develop a thorough inspection procedure. The Company simultaneously engaged a third-party Non-Destructive Examination (NDE) contractor to determine the severity of the crack. The information gathered from Engineering Services and the NDE contractor resulted in the Company making the informed decision that the ring would require replacement. The severity of the crack, not ascertainable to the naked eye, meant that failure to replace the ring would increase the risk of catastrophic generator failure during unit restart.

During the period from November 13, 2022 until December 2, 2022 the Company was engaged in developing the procedure for fully examining the severity of the crack, performing the examination on the retaining ring, gathering engineering drawings from the generator manufacturer, searching for shops that could machine a new retaining ring, and developing a schedule for this emergent repair. The Company endeavored to complete the repair within the existing Planned Outage window but ultimately required additional time to complete the work and ensure the safety of the unit. On December 2, 2022, the Company requested that the Planned Outage at Big Sandy Unit 1 be extended through December 30, 2022 to complete the retaining ring repair. PJM approved the extension on December 6, 2022.

Witness: Timothy C. Kerns

December 6, 2023 Supplemental Response

On November 13, 2022, a mechanic working on the generator noticed a drop of oil on the retaining ring and alerted plant management. The Company discovered a crack on the generator rotor collection end retaining ring and immediately engaged AEPSC Engineering Services to develop a thorough inspection procedure. The Company simultaneously engaged a third-party Non-Destructive Examination (NDE) contractor to determine the severity of the crack. The information gathered from Engineering Services and the NDE contractor resulted in the Company making the informed decision that the ring would require replacement. The severity of the crack, not ascertainable to the naked eye, meant that failure to replace the ring would increase the risk of catastrophic generator failure during unit restart.

During the period from November 13, 2022 until December 2, 2022 the Company was engaged in developing the procedure for fully examining the severity of the crack, performing the examination on the retaining ring, gathering engineering drawings from the generator manufacturer, searching for shops that could machine a new retaining ring, and developing a schedule for this emergent repair. The Company endeavored to complete the repair within the existing Planned Outage window but ultimately required additional time to complete the work and ensure the safety of the unit. On December 2, 2022, the Company requested that the Planned Outage at Big Sandy Unit 1 be extended through December 30, 2022 to complete the retaining ring repair. PJM approved the extension on December 2, 2022.

Witness: Timothy C. Kerns

VERIFICATION

The undersigned, Timothy C. Kerns, being duly sworn, deposes and says he is the Vice President of Generating Assets, for Appalachian Power Company and Wheeling Power Company, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

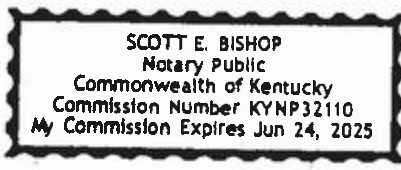
Timothy C Kerns
Timothy C. Kerns

Commonwealth of Kentucky)
)
County of Boyd)

Case No. 2023-00159

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Timothy C. Kerns, on December 4, 2023.

Scott E. Bishop
Notary Public



My Commission Expires June 24, 2025

Notary ID Number KYNP 32110