

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:


ELECTRONIC GRAVES COUNTY WATER)	
DISTRICT'S UNACCOUNTED-FOR WATER)	CASE NO.
LOSS REDUCTION PLAN, SURCHARGE,)	2019-00347
AND MONITORING)	

**RESPONSE OF GRAVES COUNTY WATER DISTRICT
TO COMMISSION STAFF'S FIFTH REQUEST FOR INFORMATION**

Graves County Water District submits its Response to the Commission Staff's Fifth Request for Information.

Dated: December 21, 2022

Respectfully submitted,

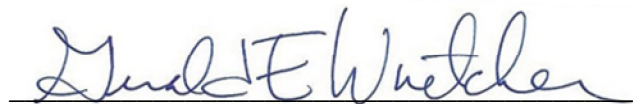


Gerald E. Wuetcher
Stoll Keenon Ogden PLLC
300 West Vine Street, Suite 2100
Lexington, Kentucky 40507-1801
Telephone: (859) 231-3017
Fax: (859) 259-3517
gerald.wuetcher@skofirm.com

Counsel for Graves County Water District

CERTIFICATE OF SERVICE

In accordance with 807 KAR 5:001, Section 8, I certify that this document was submitted electronically to the Public Service Commission on December 21, 2022 and that there are currently no parties that the Public Service Commission has excused from participation by electronic means in this proceeding.



Counsel for Graves County Water District

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FILED: December 21, 2022

VERIFICATION


COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF GRAVES)

The undersigned, Brent Shultz, being duly sworn, deposes and states that he is the Water and Sewer Operation Manager of Mayfield Electric and Water Systems, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



Brent Shultz

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 21st day of December 2022.

 (SEAL)

Notary Public

My Commission Expires: 4/19/24

Notary ID: KYNP3345

GRAVES COUNTY WATER DISTRICT

Response to Commission Staff's Fifth Request for Information Case No. 2019-00347

Question No. 1

Responding Witness: Brent Shultz

Q-1. Refer to the monthly activity report for November 2022, filed on December 15, 2022, specifically the Monthly Water Loss Report for Sedalia Water District, November 2022. Explain all factors contributing to the 77.7 percent unaccounted-for water loss.

A-1. The sudden and significant increase in water loss for the Sedalia Water District area is due to the temporary removal from service of an elevated water storage tank for rehabilitation and repainting. The elevated water storage tank was removed from service in mid-October and is expected to return to service by December 31, 2022. To maintain adequate system pressure in the area while the elevated water storage tank is not in service, water is continuously pumped into the system from the two wells serving the area. To avoid excessive water pressures while the elevated water storage tank is offline and out of service, a hydrant was installed at the end of the distribution system that opens when pressure at that point exceeds 55 pounds per square inch (psi). A significant amount of water loss occurs to prevent the buildup of excessive water pressure. The current level of water loss is temporary and should drop significantly once the elevated storage tank is returned to service. Upon completion of the rehabilitation project, the elevated water storage tank is expected to remain in service without any major modifications for a 20-year period.

GRAVES COUNTY WATER DISTRICT

Response to Commission Staff's Fifth Request for Information Case No. 2019-00347

Question No. 2

Responding Witness: Brent Shultz

- Q-2. Refer to the monthly activity report for November 2022, filed on December 15, 2022, specifically the Monthly Water Loss Report for South Graves, November 2022. Explain all factors contributing to the 77.4 percent unaccounted-for water loss.**
- A-2. The sudden and significant increase in water loss for the South Graves Water District area is due to the temporary removal from service of an elevated water storage tank for rehabilitation and repainting. The elevated water storage tank was removed from service in mid-October and is expected to return to service by December 31, 2022. To maintain adequate system pressure in the area while the elevated water storage tank is not in service, water is continuously pumped into the system from the two wells serving the area. To avoid excessive water pressures while the elevated water storage tank is offline and out of service, a hydrant was installed at the end of the distribution system that opens when pressure at that point exceeds 55 pounds per square inch (psi). A significant amount of water loss occurs to prevent the buildup of excessive water pressure. The current level of water loss is temporary and should drop significantly once the elevated storage tank is returned to service. Upon completion of the rehabilitation project, the elevated water storage tank is expected to remain in service without any major modifications for a 20-year period.

GRAVES COUNTY WATER DISTRICT

**Response to Commission Staff's Fifth Request for Information
Case No. 2019-00347**

Question No. 3

Responding Witness: Brent Shultz

Q-3. Refer to the monthly activity reports for August through November 2022 filed into the case record;[footnote omitted] specifically the Monthly Water Loss Reports for Sedalia for the respective months. Total water loss has trended upwards from 18.8 percent in August, to 77.7 percent in the November 2022 report. Explain any known causes for this upward trend.

A-3. See Response to Question 1.

GRAVES COUNTY WATER DISTRICT

**Response to Commission Staff's Fifth Request for Information
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Question No. 4

Responding Witness: Brent Shultz

Q-4. Refer to the monthly activity reports for August through November 2022 filed into the case record; [footnote omitted] specifically the Monthly Water Loss Report for South Graves for the respective months. Total water loss has trended upwards from 59.1 percent in August, to 77.4 percent in the November 2022 report. Explain any known causes for this upward trend.

A-4. See Response to Question 2.