

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

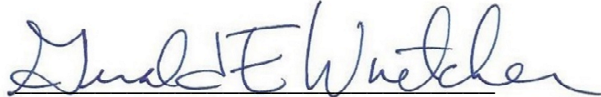
ELECTRONIC GRAVES COUNTY WATER)	
DISTRICT'S UNACCOUNTED-FOR WATER)	CASE NO.
LOSS REDUCTION PLAN, SURCHARGE,)	2019-00347
AND MONITORING)	

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

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

Dated: February 28, 2024

Respectfully submitted,

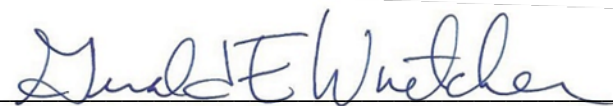


Gerald E. Wuetcher
Stoll Keenon Ogden PLLC
300 West Vine Street, Suite 2100
Lexington, Kentucky 40507-1801
Telephone: (859) 231-3017
Fax: (859) 259-3517
gerald.wuetcher@skofirm.com

Counsel for Graves County Water District

CERTIFICATE OF SERVICE

In accordance with the Commission's Order of July 22, 2021 in Case No. 2020-00085 (Electronic Emergency Docket Related to the Novel Coronavirus COVID-19), this is to certify that the electronic filing has been transmitted to the Commission on February 28, 2024; and that there are currently no parties in this proceeding that the Commission has excused from participation by electronic means.

 <i>Counsel for Graves County Water District</i>

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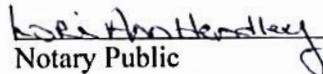
VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF GRAVES)

The undersigned, Brent Shultz, being duly sworn, deposes and states 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 28th day of February 2024.


Notary Public



Notary Name: Lori Ann Hendley
My Commission Expires: 05/22/2027
Notary ID: KYNP 72797

GRAVES COUNTY WATER DISTRICT

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

Question No. 1

Responding Witness: Brent Shultz

Q-1. Refer to the January 12, 2024 and December 15, 2023 filings. State the cause of the 35.83 percent increase in water loss reported for Fancy Farm between those filings.

A-1. Graves County Water District ("the District") reported a 40.06 percent loss in November 2023 (1,501,269 gallons) for the Fancy Farm distribution system and reported a 66.30 percent loss (4,132,159 gallons) for December 2023. The increase in the water loss percentage was 26.24.

The Fancy Farm distribution system has experienced a consistent increase in water loss since August 2023, rising from 6.69 percent to 66.30 percent. This increase was caused by a series of breaks in transite (asbestos cement) water mains in that distribution system. These main breaks began before November-December 2023 and are continuing to occur. During November and December 2023, the District replaced 660 linear feet of six-inch transite water main with polyvinyl chloride ("PVC") main to eliminate one of the habitual problem areas. The immediate cause of the increase in November and December can be attributed to main breaks on Mary Street (November 20) and Parson Street (November 30) and a break in a six-inch water main on a Highway 80 West (December 6). Also contributing to the increased water loss was day-long flushing to remove air from a water line (November 13).

GRAVES COUNTY WATER DISTRICT

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

Question No. 2

Responding Witness: Brent Shultz

Q-2. Refer to the January 12, 2024 and December 15, 2023 filings. State the cause of the 41.71 percent increase in water loss reported for Hickory between those filings.

A-2. Graves County Water District ("the District") reported a 40.18 percent loss in November 2023 (5,406,300 gallons) for the Hickory distribution system and reported a 68.46 percent loss (14,895,000 gallons) for December 2023. The increase in the water loss percentage was 28.28.

The increase in water loss in Hickory distribution system is due to the complete rehabilitation of a 500,000-gallon elevated storage tank between November 3, 2023 and January 5, 2024. Rehabilitation work was performed on the tank's interior and exterior, including sandblasting, painting, and welding repairs, at a cost of \$450,000 to extend the tank's useful life. To perform the rehabilitation work, the tank was drained and a constantly bypassing "blow off hydrant" was installed to maintain system pressure. The blow-off hydrant released a significant amount of water to ensure proper pressure was maintained. During this time period, the Hickory distribution system also experienced eight water main breaks.