

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

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In the Matter of:

THE APPLICATION OF REID VILLAGE WATER)
DISTRICT, OF MONTGOMERY COUNTY, KENTUCKY,)
FOR (1) A CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY, AUTHORIZING)
AND PERMITTING SAID WATER DISTRICT TO)
CONSTRUCT A WATERWORKS CONSTRUCTION PRO-) CASE NO. 9012
JECT, CONSISTING OF EXTENSIONS, ADDITIONS,)
AND IMPROVEMENTS TO THE EXISTING WATER-)
WORKS SYSTEM OF THE DISTRICT; (2) APPROVAL)
OF THE PROPOSED PLAN OF FINANCING OF SAID)
PROJECT; AND (3) APPROVAL OF THE INCREAS-)
ED WATER RATES PROPOSED TO BE CHARGED BY)
THE DISTRICT TO CUSTOMERS OF THE DISTRICT)

O R D E R

IT IS ORDERED that Reid Village Water District ("Reid Village") shall file an original and seven copies of the following information with the Commission with a copy to all parties of record by May 18, 1984. Reid Village shall also furnish with each response the name of the witness who will be available at the public hearing for responding to questions concerning each area of information requested. If neither the requested information nor a motion for an extension of time is filed by the stated date the case may be dismissed.

(1) Provide hydraulic analyses, supported by computations and actual field measurements, of typical operational sequences of the existing water distribution system. Computations are to be documented by a schematic map of the system that shows pipeline

sizes, lengths, connections, pumps, water storage tanks, and sea level elevations of key points, as well as allocations of actual customer demands. Flows used in the analyses shall be identified as to whether they are based on average instantaneous flows, peak instantaneous flows, or any combination or variation thereof. The flows used in the analyses shall be documented by actual field measurements and customer use records. Justify fully any assumptions used in the analyses.

(2) Provide a summary of any operational deficiencies of the existing water system that are indicated by the hydraulic analyses or that are known from experience.

(3) Provide hydraulic analyses, supported by computations and field measurements, demonstrating the appropriateness of the engineering design of the proposed construction of additions and extensions. Justify fully any assumptions used in the analyses.

(4) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available near the connection point of Reid Village's existing waterline on Fogg Pike to Mt. Sterling's water system. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(5) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available near the connection point of Reid Village's existing waterline on U.S. 60 to Mt. Sterling's water system. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(6) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available on Reid Village's existing waterline on U.S. 60 at the proposed connection point of the waterline to serve the Sewell Shop area. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(7) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available on Reid Village's existing waterline on U.S. 60 near the connection point of the proposed waterline to serve the Green Acres area. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(8) Provide pressure recording charts showing the actual 24-hour continuously measured pressure available on the existing waterlines on Fogg Pike and Prewitt Pike in the vicinity of the proposed tank location. Identify the 24-hour period recorded, the exact location of the pressure recorders and the sea level elevation of the recorders. Also provide flow test data for any fire hydrants in the vicinity of the proposed tank location on Fogg Pike and Prewitt Pike. Flow test information should include static pressure prior to flowing hydrant, actual flow measured, and residual pressure during flow.

(9) Provide narrative description of the proposed daily operational sequences of the water system. Documentation should include the methods and mechanisms proposed to provide positive

control of the proposed tanks water level. Narrative description should also include how tank will "work" (Expected inflow and outflow of water and approximate times of day). Any assumptions are to be fully supported by appropriate measurements and hydraulic calculations.

(10) Provide economic and hydraulic justification for installing dual 6-inch waterlines to the proposed tank site.

(11) The proposed waterline to serve the Green Acres area appears to be in violation of the PSC regulation (807 KAR 5:066, Section 11) which prohibits 2-inch noncirculating lines in excess of 250-feet in length. It appears as though a 3-inch or larger line should be installed. Provide comments concerning this matter.

Done at Frankfort, Kentucky, this 18th day of April, 1984.

PUBLIC SERVICE COMMISSION


For the Commission

ATTEST:

Secretary