

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF SOUTH WOODFORD )  
COUNTY WATER DISTRICT: (1) FOR A )  
CERTIFICATE THAT PUBLIC CONVEN- )  
IENCE AND NECESSITY REQUIRE THE )  
CONSTRUCTION OF EXTENDED WATER ) CASE NO. 9344  
FACILITIES; (2) SEEKING APPROVAL )  
OF THE ISSUANCE OF CERTAIN SECURI- )  
TIES; AND (3) FOR AN ORDER AUTHOR- )  
IZING ADJUSTMENT OF WATER SERVICE )  
RATES AND CHARGES )

O R D E R

IT IS ORDERED that South Woodford Water District ("South Woodford") shall file an original and seven copies of the following information with the Commission with a copy to all parties of record by October 11, 1985. If the information requested or a motion for an extension of time is not filed by the stated date, the Commission may dismiss the case without prejudice. South Woodford shall furnish with each response the name of the witness who will be available at the public hearing for responding to questions concerning each item of information requested.

1. Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available on South Woodford's existing water line near the connection point to the City of Versailles. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

2. Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available on South Woodford's existing water line near the connection point for the proposed water storage tank. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

3. Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available on the suction side of South Woodford's existing pump. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

4. Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available on the discharge side of South Woodford's existing pump. 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 on South Woodford's existing water line on Mundy's Landing Road in the vicinity of the Mundy's Landing Road extension. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

6. Provide a copy of the pump manufacturer's characteristic (head/capacity) curve for South Woodford's existing pump.

7. Provide a 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 tank's water level. The narrative description should also include how the proposed tank will "work" (expected inflow and outflow of water and approximate times of day) and how any pumps will function. Any assumptions are to be fully supported by appropriate measurements and hydraulic calculations.

8. Provide a copy of each of the county court orders establishing the South Woodford Water District and defining its boundaries.

9. Provide a highway map at a scale of at least one inch equals two miles marked to show South Woodford's water distribution system. The map of the system shall show pipeline sizes, locations, and connections as well as pumps, water storage tanks and sea level elevations of key points. The map shall also be marked to show the location of the water district boundaries and labeled to indicate the appropriate court order from which each boundary was determined.

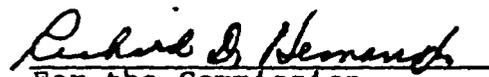
10. In response to No. 2, Item 2(g) of the Commission's June 26, 1985, deficiency letter, a hydraulic

analysis of the proposed water system was filed on August 7, 1985. However, it is not clear whether this hydraulic analysis depicts the proposed water line extension on Mundy's Landing Road. If this information was previously filed, designate the location in the hydraulic analysis where it can be found. If not previously filed, provide hydraulic analyses, supported by computations and actual field measurements, of typical operational sequences of the proposed water distribution system (Note--include all proposed changes). These hydraulic analyses should demonstrate the operation of all pump stations and the "empty-fill" cycles of all water storage tanks. Computations are to be documented by a schematic map of the system that shows pipeline sizes, lengths, connections, pumps, water storage tanks, wells, 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.

Done at Frankfort, Kentucky, this 11th day of September, 1985.

PUBLIC SERVICE COMMISSION

ATTEST:

  
For the Commission

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Secretary