

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

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In the Matter of:

THE APPLICATION OF EDMONSON COUNTY WATER )  
DISTRICT, EDMONSON COUNTY, KENTUCKY, FOR )  
A CERTIFICATE OF CONVENIENCE AND NECESSITY )  
AUTHORIZING SAID DISTRICT TO CONSTRUCT )  
ADDITIONS, EXTENSIONS AND IMPROVEMENTS TO )  
ITS EXISTING MUNICIPAL WATER DISTRIBUTION ) CASE NO. 8950  
SYSTEM PURSUANT TO THE EXPRESS PROVISIONS )  
OF CHAPTERS 74 AND 106 OF THE KENTUCKY )  
REVISED STATUTES; SEEKING APPROVAL OF A )  
NEW SCHEDULE OF WATER SERVICE RATES AND )  
CHARGES; AND SEEKING APPROVAL FOR THE )  
ISSUANCE OF CERTAIN SECURITIES )

O R D E R

IT IS ORDERED that Edmonson County Water District ("Edmonson County") shall file an original and 6 copies of the following information with the Commission with a copy to all parties of record by January 27, 1984. Edmonson County 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 copy of Preliminary Engineering Report. Report to include a narrative description of proposed extensions and a enumeration of the facts relied upon to show that the proposed new construction is or will be required by public convenience or necessity. Report to also contain a tabulation of each proposed

extension, its length, and the number of customers it is expected to serve.

(2) 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.

(3) 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.

(4) 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.

(5) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available at Edmonson County Water District's 50,000-gallon tank in the vicinity of Sweeden. 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 at Edmonson County Water District's water main in the vicinity of the intersection of Highways 70 and 187 at Huff. 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 at the discharge of Edmonson County Water District's water treatment plant on Highway 183. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder. Provide a copy of the pump manufacturers characteristic (head/capacity) curve for each of the existing discharge pumps.

(8) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available at Edmonson County Water District's 100,000 gallon-water tank located in the vicinity of Demunbruns Store. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(9) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available at Edmonson County Water District's 50,000-gallon water tank located in the vicinity of Nick. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(10) Provide a pressure recording chart showing the actual

24-hour continuously measured pressure available at the end of the existing 6-inch water line on Highway 259 in Grayson County. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(11) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available at the end of the existing water line on Union Light-Dog Creek Road. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(12) Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available on the existing water line on Highway 743 at Alexander Creek-Boiling Springs Road. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

(13) Provide the rated capacity of the District's water treatment plant. Provide a tabulation of the daily water production of the plant for each day of the most recent 3 month period. Provide a tabulation of the number of hours that the plant was operated each day of the most recent 3 month period.

(14) Provide a list of each of Edmonson County's water storage tanks. Give the location, capacity, and overflow elevation of each tank. Explain how water is supplied to each tank.

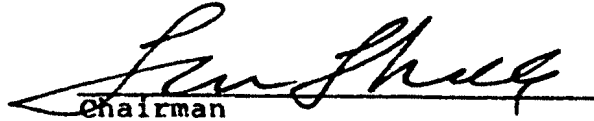
(15) Provide a list of each of Edmonson County's pump stations. Give the location, number of pumps and their rated capacities, and the purpose of each pump station. Explain how the

operation of each pump station is controlled. Provide a copy of the pump manufacturer's characteristic (head/capacity) curve for each of Edmonson County's pumps. Identify each curve as to the particular pump and pump station to which it applies.

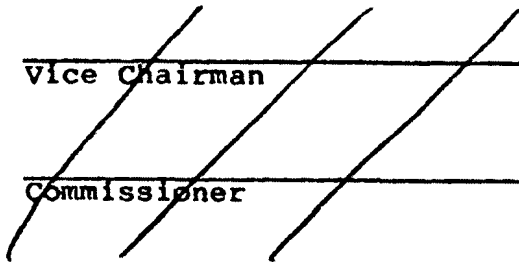
(16) Provide a copy of each of the county court orders establishing the Edmonson County Water District and defining its boundaries.

Done at Frankfort, Kentucky, this 9th day of January, 1984.

**PUBLIC SERVICE COMMISSION**

  
Chairman

  
Vice Chairman

  
Commissioner

**ATTEST:**

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Secretary