

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF UNION COUNTY WATER )  
DISTRICT FOR A DEVIATION FROM 807 KAR )  
5:066, SECTION 5(4) REGARDING WATER )      CASE NO. 10400  
STORAGE )

O R D E R

By letter received September 30, 1988, Union County Water District ("Union County") requested a deviation from 807 KAR 5:066, Section 5(4), which requires a water utility to provide water storage to insure one day's supply of its average daily water usage.

Additional information is needed for an adequate and proper consideration of the deviation requested by Union County.

IT IS THEREFORE ORDERED that Union County shall file an original and 7 copies of the following information to the Commission, with a copy to all parties of record, no later than December 10, 1988.

1. Provide the following information to describe the demand for water on Union County's water distribution system.
  - a. Total volumes purchased and/or produced annually for 1985, 1986, and 1987.
  - b. Total volumes purchased and/or produced monthly for the 12 months ending October 31, 1988.

c. Average 24-hour volume purchased and/or produced during the 12 months ending October 31, 1988.

d. Maximum 24-hour volume purchased and/or produced during the 12 months ending October 31, 1988.

e. Total days and highest number of successive days that the maximum 24-hour volume was purchased and/or produced during the 12 months ending October 31, 1988.

f. Projected maximum daily demand volumes for 1992 similar to (d) and (e) above. Describe the method by which these projections were made.

2. Provide a map of Union County's distribution system that shows the location and size of all distribution mains, storage tanks, pumping stations, and any other significant features of the system. One inch on this map should not represent more than one mile on the ground.

3. Provide a description of each of Union County's storage facilities including its location on the system and show total volume of storage on the system.

4. List the difference in volumes between total storage and (a) maximum 24-hour volume produced and/or purchased, (b) average 24-hour volume, and (c) minimum 24-hour volume.

5. Provide a list of Union County's large volume customers by name and maximum monthly and 24-hour usage by volume and by percentage of Union County's maximum monthly and 24-hour volumes. Describe these customers' water storage and/or distribution facilities, if any exist, and any sales/purchase agreements now in effect for such customers. Explain any seasonal variations that

affect the purchase volumes of any of these customers. Describe Union County's curtailment plan, if applicable, to any of these customers. Do not list customers who are purchasing less than five percent of Union County's maximum monthly volumes.

6. Provide a technical summary of operational deficiencies of Union County's water system that are known from experience or that have been indicated by hydraulic analyses.

7. List the names and addresses of Union County's customers that provide critical health services.

8. Show the number of hours under present operating conditions that service can be continued to hospitals, schools, and other similar facilities after an interruption of service by Union County's supplier when the supply requirements to be met are: (a) maximum 24-hour volume, (b) average 24-hour volume, and (c) minimum 24-hour volume. Provide supplemental information as needed to explain how results for (a), (b), and (c) were obtained.

9. Describe past periods of interruption by the supplier for Union County. List dates and total days or hours of interruption.

10. Provide detailed information on supplier's system that delivers water to Union County. Include location and capacity of (a) treatment plant, (b) pumping stations, (c) storage tanks and any other facilities required for the delivery of water to Union County. Give the 24-hour capacity and maximum 24-hour production of plant for the 12 months ending October 31, 1988.

11. Does Union County's water purchase agreement place a limit on the daily or monthly volumes that its supplier will

furnish? If so, define these limits. If supplier provides certain volumes of storage for Union County, provide a copy of the agreement that insures the provision of this storage by supplier and a statement reflecting Union County's assessment of reliability of this agreement. Provide a copy of Union County's water purchase agreement if its particulars cannot be readily described and note the particulars of interest to the instant case. Describe any curtailment aspects of the contract.

12. Describe supplier's capability for delivery of water pressure and volume at each point of delivery to Union County. Describe those features of supplier's system that limit its capacity for delivery of water pressure and volume to Union County. Such features may include: (a) distance between supplier's tank and supplier's point of connection with Union County, (b) size of the connecting main between Union County and its supplier's tank, (c) capacity of supplier's treatment plant, (d) age of supplier's treatment plant, (e) condition of supplier's treatment plant, and (f) capacity and condition of supplier's pumping stations and tanks and supplier's general ability to respond to the needs of Union County.

13. If the Farmers Home Administration ("FmHA") holds any of Union County's long-term debt, provide a copy of any correspondence from FmHA which states FmHA's position on Union County's current storage capacity and its request for a deviation from Commission regulations.

14. Describe Union County's planning to date, including its efforts to secure financing, for construction of additional storage facilities.

If this information cannot be provided by December 10, 1988 Union County should submit a motion for an extension of time stating the reason a delay is necessary and include a date by which it will be furnished. Such motion will be considered by the Commission. Union County shall furnish with each response the name of the witness who will be available for responding to questions concerning each item of information requested should a public hearing be required in this matter.

Done at Frankfort, Kentucky, this 28th day of October, 1988.

PUBLIC SERVICE COMMISSION

*Richard D. Hemery Jr.*  
For the Commission

ATTEST:

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Executive Director