

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF SOUTHERN MADISON )  
WATER DISTRICT FOR A DEVIATION FROM THE )  
MINIMUM WATER STORAGE REQUIREMENT OF ) CASE NO. 10122  
807 KAR 5.066, SECTION 5(4) )

O R D E R

By letter received January 4, 1988, Southern Madison Water District ("Southern Madison") requested a deviation from 807 KAR 5:066, Section 5(4). Said request proposed that Southern Madison be relieved of the requirement to provide a volume of storage that would 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 Southern Madison.

IT IS THEREFORE ORDERED that Southern Madison shall file an original and seven copies of the following information with the Commission with a copy to all parties of record no later than March 7, 1988.

1. Provide the following information to describe the demands for water on Southern Madison's distribution system.

a. Total volumes purchased and/or produced annually for 1984, 1985 and 1986.

b. Total volumes purchased and/or produced monthly for the 12 months ending December 31, 1987.

c. Average 24-hour volume purchased and/or produced during the 12 months ending December 31, 1987.

d. Maximum 24-hour volume purchased and/or produced during the 12 months ending December 31, 1987.

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 December 31, 1987.

f. Projected maximum daily demand volumes for 1990 similar to (d) and (e) above. Describe the method by which these projections were made.

2. Provide a map of Southern Madison'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 Southern Madison's storage facilities including their locations 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 Southern Madison's large volume customers by name and maximum monthly and 24-hour usage by volume and by percentage of Southern Madison'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 Southern Madison's curtailment plan, if applicable, to any of these customers. Do not list customers that are purchasing less than five percent of Southern Madison's maximum monthly volumes.

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

7. Show names and addresses of Southern Madison's customers that are providing critical health services.

8. Show 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 Southern Madison'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 Southern Madison. List dates and total days or hours of interruption.

10. Provide detailed information on supplier's system that delivers water to Southern Madison. 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 Southern Madison. Give the 24-hour capacity and maximum 24-hour production of plant for the 12 months ending December 31, 1987.

11. Does Southern Madison's 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 Southern Madison, provide a copy of the agreement that insures the provision of this storage by supplier and a statement reflecting Southern Madison's assessment of reliability of the agreement. Provide a copy of Southern Madison's 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 Southern Madison. Describe those features of supplier's system that limit its capacity for delivery of water pressure and volume to Southern Madison. Such features may include: (a) distance between supplier's tank and supplier's point of connection with Southern Madison, (b) size of the connecting main between Southern Madison 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, (f) capacity and condition of supplier's pumping stations and tanks and supplier's general ability to respond to the needs of Southern Madison.

13. If the Farmers Home Administration ("FmHA") is the holder of either all or a part of Southern Madison's long-term debt, provide a copy of an FmHA letter stating its position with regard to the storage volume provided by Southern Madison and its request for a deviation from PSC regulations.

14. Describe Southern Madison's planning to date including its efforts to secure financing for construction of additional storage facilities.

If the above listed items of information cannot be provided by March 7, 1988, Southern Madison 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. Southern Madison 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 2nd day of February, 1988.

PUBLIC SERVICE COMMISSION

  
For the Commission

**ATTEST:**

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Executive Director