

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF THE COUNTY OF LYON,	)	
AND LYON COUNTY WATER DISTRICT, AND THEIR	)	
REQUEST FOR A CERTIFICATE OF PUBLIC	)	CASE NO.
CONVENIENCE WAIVER AND NECESSITY AS WELL	)	91-053
AS A WAIVER FOR THE APPROVAL OF THE	)	
FINANCING ARRANGEMENTS FOR SAME	)	

O R D E R

IT IS ORDERED that Lyon County Water District ("Lyon Water") shall file an original and one copy of the following information with the Commission, with a copy to all parties of record by June 3, 1991. If the information cannot be provided by this date, Lyon Water 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. Lyon Water 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 near the tank, at discharge and suction side of each pump station, and at location that proposed water line will be connected to existing line. Identify the 24-hour period recorded, the exact location of the pressure recorder, and the sea level elevation of the recorder. Also state the schematic junction number nearest the location of the pressure recorder.

2. Provide a list of Lyon Water's existing 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 Lyon Water's existing pumps. Identify each curve as to the particular pump and pump station to which it applies. Also state if pump is in use, will remain in use, will be abandoned, or will be replaced.

3. Provide the number of Lyon Water's existing customers.

4. The computer hydraulic analyses report filed in this case for the proposed water distribution system indicates that the potential exists for the system to experience high pressure (more than 150 psig) at Junction Number 22, 23, and 25. Pressures at this level are in violation of PSC regulation 807 KAR 5:066, Section 6(1). Provide details of any preventive measures or additional construction Lyon Water intends to perform to protect against this type of occurrence. Details shall be documented by hydraulic analyses and field measurements.

5. The computer hydraulic analyses report filed in this case for the proposed water distribution system indicates that the potential exists for the system to experience low pressure (less than 30 psig) at Junction Number 10. Pressures at this level are in violation of PSC regulation 807 KAR 5:066, Section 6(1). Provide details of any preventive measures or additional construction

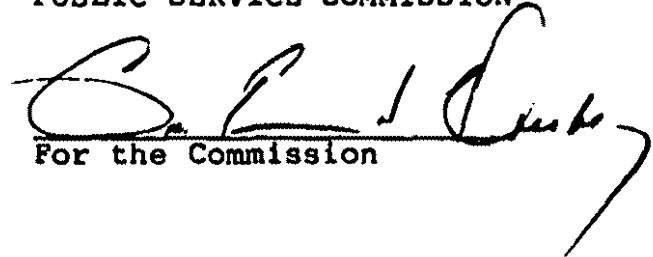
Lyon Water intends to perform to protect against this type of occurrence. Details shall be documented by hydraulic analyses and field measurements.

6. State exactly how the diurnal pattern for Lyon Water's system was determined. Also detail how the diurnal demand multipliers for the computer model were determined. This response shall be documented by appropriate field measurements.

7. Provide a copy of the final summation of the total cost of construction and funding arrangements referred to as the Final Engineering Report.

Done at Frankfort, Kentucky, this 14th day of May, 1991.

PUBLIC SERVICE COMMISSION



For the Commission

ATTEST:

  
Lee M. Madraschen  
Executive Director