

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF BARKLEY LAKE )  
WATER DISTRICT, (1) FOR A CERTI- )  
FICATE THAT PUBLIC CONVENIENCE AND )  
NECESSITY REQUIRES THE CONSTRUCTION )  
OF NEW PLANT FACILITIES; AND (2) ) CASE NO. 10046  
SEEKING APPROVAL OF THE ISSUANCE OF )  
CERTAIN SECURITIES; AND (3) FOR AN )  
ORDER AUTHORIZING ADJUSTMENT OF )  
WATER SERVICE RATES AND CHARGES )

O R D E R

IT IS ORDERED that Barkley Lake Water District ("Barkley Lake") 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 January 8, 1988. If the information cannot be provided by this date, Barkley Lake 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. Barkley Lake 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 request.

1. In response to the Commission's November 12, 1987, Information Request concerning fire hydrant and flush hydrant installation, Barkley Lake responded that only flush hydrants painted yellow would be installed. Also according to the response, these flush hydrants would be 2 1/4-inch post hydrants

with 1 1/2-inch nozzles. Since Barkley Lake's response indicates that any implication that fire protection is available should be avoided, state why yellow was chosen as the color for these flush hydrants when red and yellow are the two standard colors recommended by the American Water Works Association to indicate conventional fire hydrants. In addition, provide manufacturer's catalogue sheets depicting the type of flush hydrants that the successful bidder will be required to install.

2. In response to the Commission's November 12, 1987, Information Request concerning the need for the water treatment plant expansion, Barkley Lake provided a straight line projection graph and the projected peak demand figures for 5 years in the future. However, no documentation for this information was provided. Based on this, provide documentation for the demand figures previously filed. As a minimum, this should include identifying and quantifying the existing water usage and the expected water usage on a system wide basis. Also identify the specific location where this demand is expected to occur. Provide copies of the latest census data for Barkley Lake's service area, any appropriate population forecasts from the University of Louisville's Urban Studies Center, projections from the Area Development District as well as any other sources which were utilized in forecasting the demand anticipated by Barkley Lake.

3. In response to the Commission's November 12, 1987, Information Request concerning the effect Barkley Lake's unaccounted-for water has on the proposed plant expansion, Barkley

Lake responded that the current level of unaccounted-for water is 30 percent and any reduction would not materially affect the need for the water treatment plant expansion.

Barkley Lake was ordered by the Commission on January 28, 1985, to establish and maintain a program for reducing its unaccounted-for water level to 15 percent or less. The January 28, 1985, Order also required Barkley Lake to file "Water Accountability Reports" with the Commission on a monthly basis until the objectives were reached. In a Public Service Commission inspection report prepared in November 1978, the unaccounted-for water level was 31 percent based on 1977 data. It was recommended in that inspection report that Barkley Lake file monthly reports until the unaccounted-for water level was 15 percent or below. Based on this, provide unaccounted-for water data for the 2 years preceding January 28, 1985, on a monthly basis. This should include the total water produced, the total water sold, and the unaccounted-for water. Also provide the same data on a monthly basis from January 28, 1985, to the present. In addition, provide all documentation concerning the actions taken by Barkley Lake to reduce the unaccounted-for water level. This should include all internal memos, outside correspondence, outside reports, actual activities conducted, material costs, labor costs, etc.

4. In response to the Commission's November 12, 1987, Information Request concerning Barkley Lake's clearwell location and capacity, Barkley Lake stated that the location was not changed due to lack of funds and that the capacity met the Division of Water's requirements. Barkley Lake's response also

included a sketch of the clearwell/finished water storage tank. Provide the following information concerning this storage tank: base elevation, overflow elevation, diameter, divider elevation, capacity of each section, etc. Also provide any shop drawings from the original construction of this tank and the original cost of construction of this "non-standard" tank. Also provide appropriate "nameplate" data (e.g., manufacturer, date of completion, etc.) In addition, provide the expected life of this tank and the dates of any inspections, maintenance, repairs, painting, etc., performed on this tank. Also state how Barkley Lake would function if this tank had to be taken out of service for painting, repairs, etc. Also provide the rationale for having a single clearwell as opposed to having multiple clearwell units to match filter capacity.

Done at Frankfort, Kentucky, this 11th day of December, 1987.

PUBLIC SERVICE COMMISSION

  
For the Commission

ATTEST:

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Executive Director