

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF THE SANDY HOOK)
WATER DISTRICT, OF ELLIOTT COUNTY,)
KENTUCKY, FOR APPROVAL OF CONSTRUCTION,) CASE NO. 9768
FINANCING, AND INCREASED RATES)

O R D E R

IT IS ORDERED that Sandy Hook Water District ("Sandy Hook") 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 June 10, 1987. If the information cannot be provided by this date, Sandy Hook 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. Sandy Hook 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 summary of any operational deficiencies of the existing water system that are indicated by hydraulic analyses or that are known from experience. In particular detail the deficiencies of the existing storage tank, wells, and pipelines being replaced.

2. The maps filed with the application do not show a layout of Sandy Hook's total distribution system as needed for a review

by the Commission of both the existing system and the additions proposed. Sandy Hook should provide a map of suitable scale that clearly shows both the layout of the existing water mains with pipe sizes and the layout of the proposed additions with pipe sizes. In addition the map should be marked to show the boundaries of the District.

3. Provide a pressure recording chart showing the actual 24-hour continuously measured pressure available at at least four representative locations on Sandy Hook's system. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

4. Provide a list of information on Sandy Hook's present and proposed storage tanks. Give the location, capacity, and overflow elevation of each tank. Explain how water is or will be supplied to each tank. Also give the engineering and economic justification for proposing two days supply of storage.

5. Provide a narrative description of the proposed daily operational sequences of the water system. Documentation should include the methods and mechanisms proposed to provide positive control of storage tank water level. The description should also include an hourly summary of how the tank will "empty and fill" (expected gallons per minute inflow or outflow of water) and how all pumps will function. The description should be fully supported by appropriate field measurements and hydraulic calculations.

6. Provide a list of each of Sandy Hook'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 characteristics (head/capacity) curve for each of Sandy Hook'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 and if pump will remain in use, will be abandoned or will be replaced.

7. What tests have been conducted to determine the maximum and sustained yield of the existing wells and proposed well? Provide the capacity for each existing well and the proposed well. Explain how the capacities were determined and provide specific data on any drawdown and recovery tests conducted.

8. Provide copy of Division of Water, NREPC Floodplain construction permit for the proposed clearwell. In addition, clarify the capacity of the proposed clearwell.

9. The application shows that 233 customers are served by the existing system. What is the average and the maximum daily demand imposed on the system by these 233 customers?

Done at Frankfort, Kentucky, this 7th day of May, 1987.

PUBLIC SERVICE COMMISSION

ATTEST:


For the Commission

Executive Director