

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE APPLICATION OF THE CORINTH )  
WATER DISTRICT, A WATER DISTRICT )  
ORGANIZED PURSUANT TO CHAPTER 74 )  
OF THE KENTUCKY REVISED STATUTES, ) CASE NO. 9349  
OF GRANT COUNTY, KENTUCKY, FOR )  
APPROVAL OF CONSTRUCTION, )  
FINANCING AND RATES )

ORDER

IT IS ORDERED that Corinth Water District ("Corinth") shall file an original and seven copies of the following information with the Commission with a copy to all parties of record by September 13, 1985. If the information requested or a motion for an extension of time is not filed by the stated date, the Commission may dismiss the case without prejudice. Corinth 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 on the City of Williamstown's existing water line near the proposed connection point of the water line to serve the proposed water system. Identify the 24-hour period recorded, the exact location of the pressure recorder and the sea level elevation of the recorder.

2. The application and the specifications mention a pumping station for the proposed project, however, the plans do not depict a pumping station. Provide clarification on whether a pumping station is included in this project. (In addition, the pump station specifications apparently are for the Pendleton County Water District instead of Corinth.)

3. According to the information filed in this case, the overflow elevation of the proposed water storage tank is 1095 feet above sea level. However, the preliminary hydraulic analysis filed estimates that the maximum water surface elevation obtained during normal operation is approximately 1084 feet above sea level. Provide the criteria used for designing a water storage tank that would never be full. Also provide details of the operating measures or additional construction Corinth expects to provide to insure that maximum benefit will be gained from the proposed water storage facilities.

4. 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 the proposed tank's water level. The narrative description should also include how the proposed tank will "work" (expected inflow and outflow of water and approximate times of day) and how any pumps will function. Any assumptions are to be fully supported by appropriate measurements and hydraulic calculations.

5. If the water system design has been changed or will be changed, provide updated hydraulic analyses, supported by computations and actual field measurements, of typical operational sequences of the proposed water distribution system. These hydraulic analyses should demonstrate the operation of all pump stations and the "empty-fill" cycles of all water storage tanks. Computations are to be documented by a schematic map of the system that shows pipeline sizes, lengths, connections, pumps, water storage tanks, wells, and sea level elevations of key points, as well as allocations of actual customer demands. Flows used in the analyses shall be identified as to whether they are based on average instantaneous flows, peak instantaneous flows, or any combination or variation thereof. The flows used in the analyses shall be documented by actual field measurements and customer use records. Justify fully any assumptions used in the analyses.

Done at Frankfort, Kentucky, this 19th day of August, 1985.

PUBLIC SERVICE COMMISSION

  
For the Commission

ATTEST:

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Secretary