COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

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In the Matter of:

THE JOINT APPLICATION OF B & E SANITATION SERVICE, INC., TO ACQUIRE AND OPERATE AUDUBON ENTERPRISES, INC., SEWER COLLECTION SYSTEM, THOROBRED EAST SUBDIVISION, OWENSBORO, DAVIESS COUNTY, KENTUCKY, AND FOR ISSUANCE OF A CERTIFICATE OF CONVENIENCE AND NECESSITY TO CONSTRUCT A PUMP STATION AND FORCE MAIN LINE TO CONNECT SAID SYSTEMS	CASE NO. 9013

O R D E R

IT IS ORDERED that B & E Sanitation Service, Inc. shall file an original and eight copies of the following information with the Commission with a copy to all parties of record by June 22, 1984. If neither the requested information nor a motion for an extension of time is filed by the stated date, the case may be dismissed.

1. Provide biographical information on Rondal E. Baird. Information should include Mr. Baird's engineering qualifications, educational background, experience, and present employment.

2. Provide similar biographical information for each engineer affliated with the design of the construction project in this case.

3. Provide a individual statement from Mr. Baird and each engineer affliated with the construction project in this case

which contains each engineer's notarized and personally certificated answers to the following questions:

A. Are you a registered professional engineer in Kentucky?

What is your Kentucky Registration Number?

Are you registered in the branch of sanitary engineering?

In what branch are you registered?

B. Did you prepare the drawings and specifications for the sewage lift station and force main proposed in this case?

C. What portion of the engineering design did you do?

D. What engineering criteria did you use to design the construction proposed in this case?

E. Are you familiar with "Recommended standards for sewage works" commonly called the "Ten States Standards?"

F. Are you aware that the Ten States Standards recommend that a minimum flow velocity of 2 feet per second at design <u>average</u> flow be maintained in a sewage force main?

G. Are you aware that the American Society of Civil Engineers' report of the task committee on engineering practice in the design of pipelines states that sewage force mains should normally be sized for flow velocities of 3 to 6 feet per second?

H. What will be the expected velocity in the proposed force main?

I. For what reason was the proposed force main sized as a 10-inch diameter pipeline?

J. How many gallons of sewage will it take to fill the proposed 11,200 feet of 10-inch force main?

K. How many hours will the sewage remain in the force main on a "typical" day?

L. The Ten State Standards recommend that pumping stations pumping to treatment works be selected to operate at varying delivery rates to permit discharging sewage at approximately its rate of delivery to the pump station. Why doesn't the proposed pump station possess this ability?

M. The Ten State Standards state that facilities for equalization of flows and organic shock load shall be considered at all plants which are critically affected by surge loadings.

What will be the effect of the proposed hydraulic loading of approximately 600 G.P.M. of sewage on a plant with a nominal hydraulic capacity of 174 G.P.M.? Why haven't flow equalization facilities been provided?

N. The Ten State Standards recommend that where there is an existing system, the volume of flows are to be determined by actual measurement. At least one year's data should be used to determine: annual average daily flow; minimum daily flow; wet-weather peak flows; wet weather flows of 7-day duration; peak hourly flows; and industrial water flows.

Were any such flow measurements made for the project proposed in this case?

What flow measurements were used to design the pump station and force main?

4. If the construction of the sewage lift station and force main as proposed in this case should result in extraordinary future operation and maintenance costs, how does B & E Sanitation Service, Inc. intend to meet such costs?

Done at Frankfort, Kentucky, this 24th day of May, 1984.

PUBLIC SERVICE COMMISSION

For the Commission

ATTEST:

Secretary