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VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

July 22, 1980

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. B. Joe Youngblood, Chief  
Licensing Branch No. 3  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 647  
NO/RM/ms  
Doc't. et No. 50-339  
License No. NPF-7

Dear Mr. Denton:

MULTIPLE STRUCTURE ARS CONCERN  
NORTH ANNA UNIT NO. 2

Enclosed as Attachment 1 to this letter is additional design data for the North Anna Unit No. 2 Low Head Safety Injection (LHSI) pump discharge piping which we committed to forward for your use in our letter Serial No. 616 dated July 11, 1980. The following design information is included in the attachment:

- a) Math model of the system
- b) List of lumped masses used in analysis
- c) Piping design data
- d) Envelope ARS
- e) List of valve and flange weights
- f) Vendor valve drawings

This information completes our response to your request for additional information as identified in an NRC memorandum to Mr. B. J. Youngblood from Mr. R. J. Bosnak as clarified in a subsequent telephone conversation between the NRC, Vepco, and Stone and Webster on July 7, 1980.

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THIS DOCUMENT CONTAINS  
POOR QUALITY PAGES

If you have any questions or require additional data, please contact us.

Very truly yours,

*B. R. Sylvia*  
B. R. Sylvia  
Manager - Nuclear  
Operations and Maintenance

Attachment

cc: Mr. Robert A. Clark, Chief  
Operating Reactors Branch No. 3  
Division of Licensing  
Washington, D. C. 20555

Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement  
Region II  
Atlanta, Georgia 30303