

August 21, 1985



VIRGINIA POWER

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. H. L. Thompson, Jr., Director  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 85-570  
PSE/NAS:vdu: 2004N  
Docket Nos.: 50-280  
50-281  
50-338  
50-339  
License Nos.: DPR-32  
DPR-37  
NPF-4  
NPF-7

Gentlemen:

VIRGINIA POWER  
SURRY AND NORTH ANNA POWER STATIONS  
REACTOR SYSTEM TRANSIENT ANALYSES

In our letter to you of April 14, 1981, Serial No. 115, we transmitted our Topical Report VEP-FRD-41, "Vepco Reactor System Transient Analyses Using the RETRAN Computer Code." The report, which was provided for review by your staff, describes the system transient analysis capability which Virginia Power is using in support of core reloads, and other operational or design changes at our nuclear units. Following a request for supplemental information, to which Virginia Power responded with letters dated February 27, 1984, July 12, 1984 and August 24, 1984, the staff issued a letter approving the report for referencing in license applications on April 11, 1985.

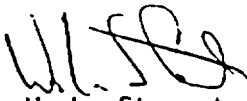
In the Safety Evaluation Report (SER) accompanying this approval, the staff required Virginia Power to supply an input deck as a condition of the approval. In subsequent discussions with Mr. David Moran of the Standardization and Special Projects Branch, we were informed that an input deck listing for one of Virginia Power's production RETRAN Models would satisfy this requirement.

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Accordingly, in order to rapidly address this issue, we have forwarded an input listing of our Single Loop Surry RETRAN model to Mr. D. H. Moran of your staff. The general features of this model were described in some detail in our letters of February 27, 1984 (Serial No. 060) and July 12, 1984 (Serial No. 376).

Very truly yours,

  
W. L. Stewart

cc: Mr. D. H. Moran  
Standardization and Special Projects Branch

Mr. J. L. Carter  
Reactor Systems Branch

Mr. J. Guttman  
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Mr. Edward J. Butcher, Acting Chief  
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Mr. D. J. Burke  
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Mr. M. W. Branch  
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North Anna Power Station

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*WLS  
8/21/85*

- bc: Mr. J. A. Ahladas - 4/EB
- Mr. R. W. Calder - 3/EB *RWB for RW Calder 8/6/85*
- Mr. R. M. Berryman - 2/EB *RMB 8/6/85*
- Mr. K. L. Basehore - 2/EB *KLB 8/6/85*
- Mr. J. O. Erb - 2/EB *via 8/12/85*
- ~~Ms. N. E. Clark - 5/OJRP *NEC 8/7*~~
- Dr. B. R. Shriver - 5/RP
- Mr. R. W. Cross - 7/FB
- Mr. D. S. Cruden - 5/OJRP
- ~~Mr. R. J. Hardwick - 5/OJRP *RJA 8/21/85*~~
- Mr. D. J. Fortin/Mr. J. D. Hegner - 5/OJRP
- E&C Records Management - NP-410.2 - 4A/EB
- GOV 02-54B
- NOD Tech Library (bc original)
- G.L. Pannet " 8/12/85*