



VIRGINIA POWER

August 21, 1985

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. 215, we transmitted our Topical Report VEP-FRD-41, "Veeco 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,

A handwritten signature in dark ink, appearing to read "W. L. Stewart".

W. L. Stewart

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

Mr. J. L. Carter
Reactor Systems Branch

Mr. J. Guttman
Reactor Systems Branch

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Regional Administrator
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Mr. Edward J. Butcher, Acting Chief
Operating Reactors Branch No. 3
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Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
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Mr. D. J. Burke
NRC Resident Inspector
Surry Power Station

Mr. M. W. Branch
NRC Resident Inspector
North Anna Power Station