

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

October 14, 1983

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

Serial No. 545
PSE/SMB: vdu
Docket Nos: 50-280
50-281
50-338
50-339
License Nos: DPR-32
DPR-37
NPF-4
NPF-7

Dear Gentlemen:

NOMAD CODE AND MODEL

Enclosed for your review are forty (40) copies of the Vepco Topical Report VEP-NFE-1, "The Vepco NOMAD Code and Model."

This report is one of a series of topical reports supplying general information pertaining to the nuclear reload licensing and core follow support capabilities which have been developed at Vepco. It is our intention to use the Vepco NOMAD Code and Model documented herein in conjunction with the Vepco PDQ07 Discrete and One Zone models and the Vepco FLAME model described in our previously submitted reports (VEP-FRD-19A, VEP-FRD-20A, VEP-FRD-24A, respectively) to perform reload core design and reload key parameter generation. Our specific scope of application of NOMAD is discussed more fully in the report itself.

The recommendations of the North Anna and Surry Station Nuclear Safety and Operating Committees have been incorporated into this report. This report has also been reviewed by the Safety Evaluation and Control staff. Further, it has been determined that the methodology and analysis capability described herein do not involve an unreviewed safety question as defined in 10CFR 50.59.

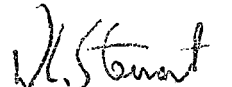
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VIRGINIA ELECTRIC AND POWER COMPANY TO Mr. Harold R. Denton

We are aware that a fee will be required for the topical report review and will transmit the assessed fee upon completion of the review. If you have any questions on the material in this topical report, please contact us.

Very truly yours,



W. L. Stewart

Enclosure

cc: Mr. James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing

Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing

Mr. J. P. O'Reilly
Regional Administrator
Region II