## VIRGINIA ELECTRIC AND POWER COMPANY

RICHMOND, VIRGINIA 23261

August 15, 1990

U.S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, D.C. 20555

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## VIRGINIA ELECTRIC AND POWER COMPANY NORTH ANNA POWER STATION UNITS 1 AND 2 SUPPLEMENTAL INFORMATION FOR TECHNICAL SPECIFICATION CHANGE REQUEST REVISED CONTROL ROD DROP TIME

On January 15, 1990, Virginia Electric and Power Company requested amendments, in the form of changes to the Technical Specifications, to Operating License Numbers NPF-4 and NPF-7 for North Anna Power Station Units 1 and 2, respectively. These requested amendments support the introduction of a new Westinghouse (VANTAGE 5H) 17X17 fuel assembly. The requested change to the Technical Specifications involved a change to the maximum allowable control rod drop time.

A discussion between Virginia Electric and Power Company and the NRC regarding this Technical Specification change request was conducted by telephone on August 3, 1990. Questions were asked regarding the method used by Virginia Electric and Power Company to track retained DNBR margin. As explained during the discussion, retained DNBR margin is tracked and documented by calculational note; calculational notes are uniquely identified and retained as QA records.

The Thermal/Hydraulics (T/H) Evaluation calculational note is prepared as part of the reload safety evaluation process. In this calculational note, the DNBR results of the UFSAR transients which may be affected by the reload core design are evaluated. The calculational note also presents a discussion of available retained DNBR margin and applicable penalties, as well as tables of retained DNBR margin.

Because DNBR analyses have been performed under a variety of methodologies, conditions, and assumptions, the retained margin tables have been organized according to the methodology and DNBR correlation assumed in the DNBR analysis. For those transients explicitly reanalyzed with the increased bypass flow and increased rod drop time associated with the Vantage-5H fuel product, additional tables of retained DNBR margin have been created. As analyses and methods evolve, the retained margin tables will be updated and modified.

If you have any questions or require additional information please contact us immediately.

Very truly yours,

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