

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

W. L. STEWART  
VICE PRESIDENT  
NUCLEAR OPERATIONS

October 28, 1985

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. Steven A. Varga, Chief  
Operating Reactors Branch No. 1  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Serial No. 85-240  
E&C/GMS:acm  
Docket Nos. 50-280  
50-281  
License Nos. DPR-32  
DPR-37

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY  
SURRY POWER STATION UNIT NOS. 1 AND 2  
PROPOSED TECHNICAL SPECIFICATION CHANGE  
REVISE MAXIMUM K-EFFECTIVE AT REFUELING CONDITIONS

Pursuant to 10CFR50.90, Virginia Electric and Power Company requests an amendment, in the form of changes to the Technical Specifications, to Operating License Nos. DPR-32 and DPR-37 for Surry Power Station Unit Nos. 1 and 2.

VEPCO is requesting an increase in the maximum K-effective allowable during refueling conditions from the current value of 0.90 to 0.95 for Surry Units 1 and 2. VEPCO has found the current Technical Specification limit on K-effective at refueling restrictive from a core reload design standpoint because of increasingly reactive core designs. The current limit of 0.90 has resulted in increased burnable poison requirements which pose a penalty in the area of effective fuel utilization.

This proposed change in K-effective will provide greater flexibility during the reload core design process while maintaining the required safety margin. The 0.95 limit on K-effective is consistent with the limit specified in the Westinghouse Standard Technical Specifications.

Attachment 1 provides the proposed change to Sections 3.8.A and 3.10.A of the Surry Technical Specifications. Attachment 2 provides a Safety Evaluation of the changes.

This request has been reviewed by the Station Nuclear Safety and Operating Committee and the Safety Evaluation and Control Staff. It has been determined that this request does not involve an unreviewed safety question as defined in 10CFR50.59 nor does it pose a significant hazards consideration as defined in 10CFR50.92.

We have evaluated this request in accordance with the criteria in 10CFR170.12. An application fee in the amount of \$150 is warranted. With

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reference to your letter dated August 16, 1985, we wish to apply Check No. 48858 dated October 9, 1984 to this application fee.

We request your approval of the Technical Specification changes by January 15, 1986 in order to ensure that the revised Technical Specifications are in place in time for use with the Surry 1 Cycle 9 reload design analysis.

Very truly yours,



W. L. Stewart

Attachments

1. Proposed Technical Specification Change
2. Safety Evaluation

cc: Dr. J. Nelson Grace  
Regional Administrator  
Region II

Mr. Terence L. Chan  
NRC Project Manager - Surry  
Operating Reactors Branch No. 1  
Division of Licensing

Mr. D. J. Burke  
NRC Resident Inspector  
Surry Power Station

Mr. Charles Price  
Department of Health  
109 Governor Street  
Richmond, Virginia 23219

COMMONWEALTH OF VIRGINIA )  
 )  
CITY OF RICHMOND )

The foregoing document was acknowledged before me, in and for the City and Commonwealth aforesaid, today by W. L. Stewart who is Vice President - Nuclear Operations, of Virginia Electric and Power Company. He is duly authorized to execute and file the foregoing document in behalf of that Company, and the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 28 day of October, 19 85.

My Commission expires: February 10, 19 89.

*Carolyn M. Moore*  
Notary Public

(SEAL)