

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

August 31, 1987

W. L. STEWART  
VICE PRESIDENT  
NUCLEAR OPERATIONS

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

Serial No. 87-223A  
E&C/DMB:vlh  
Docket No. 50-280  
License No. DPR-32

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY  
SURRY POWER STATION UNIT 1  
REACTOR VESSEL MATERIALS SURVEILLANCE PROGRAM

In a letter dated May 22, 1987 (Serial No. 87-223), Virginia Electric and Power Company committed to submit by August 31, 1987, applicable Technical Specification changes associated with the recent Surry Unit 1 reactor vessel capsule analysis. Since the Unit 2 capsule has been analyzed and its associated report is nearly complete, it is considered to be reasonable to delay the Technical Specification submittal for Unit 1 until December 15, 1987, when Unit 2 can concurrently be addressed. Since Surry has common Technical Specifications, a combined submittal would facilitate processing by minimizing the need for supplemental unit specific text.

Both units have accumulated less than nine (9) EFPY of operation. In contrast, the heatup and cooldown curve Technical Specification is valid through eleven (11) EFPY. A projected fluence at the 1/4T location of  $1.323 \times 10^{19}$  n/cm<sup>2</sup> was used to determine transition temperature for the current heatup and cooldown curve for both units. The accumulated fluence through the end of the last complete fuel cycle for Unit 1 was  $0.6 \times 10^{18}$  n/cm<sup>2</sup> at the 1/4T location based on plant specific power distributions. The 1/4T fluence is now not projected to reach the  $1.323 \times 10^{19}$  n/cm<sup>2</sup> fluence limit until 18.9 EFPY of operation. Thus, based on actual fluence, the current curves would remain acceptable for continued use significantly beyond when revised curves are proposed to be submitted in December.

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The existing heatup and cooldown curves were generated based on the initial issue of Standard Review Plan, Section 5.3.2. The proposed curves will be generated utilizing the methodology of Revision 1 to Standard Review Plan, Section 5.3.2. In the interim, additional operational restrictions resulting from using the newer methodology will conservatively be addressed by administrative control for Unit 1. Corresponding relaxations resulting from the newer methodology will not be taken until after Technical Specifications approval. Delay in submitting proposed Technical Specifications for Unit 1 until December 15, 1987, poses no significant safety concern.

Accordingly, we plan on submitting the Unit 2 capsule report and associated Technical Specifications changes for both Unit 1 and Unit 2 by December 15, 1987. Based on a telephone conversation between Mr. Chandu Patel of the NRC and Mr. D. A. Sommers of my staff, we understand that this approach is considered acceptable.

Very truly yours,



W. L. Stewart

cc: U. S. Nuclear Regulatory Commission  
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