

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

W. L. STEWART  
VICE PRESIDENT  
NUCLEAR OPERATIONS

July 9, 1984

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. 365  
PSE/NAS:vdu:2001N  
Docket No.: 50-281  
License No.: DPR-32

Gentlemen:

RELOAD INFORMATION FOR CYCLE 8  
SURRY POWER STATION UNIT NO. 1

Surry Unit No. 1 is currently scheduled to complete its seventh cycle of operation on or about September 28, 1984. The purpose of this letter is to advise you of our plans for the Cycle 8 reload core.

The Cycle 8 reload core was analyzed in accordance with the methodology documented in Westinghouse Topical Report WCAP-9272 entitled "Westinghouse Reload Safety Evaluation Methodology". The results of this analysis indicated that no key analysis parameters will become more limiting during Cycle 8 operation than the values assumed in the currently applicable Safety Analyses. The Cycle 8 reanalysis demonstrated that the current Technical Specifications, as approved through Amendment Nos. 95 and 96 for Surry Units 1 and 2, respectively, are appropriate and require no additional changes.

The analyses necessary to support Cycle 8 operation have been performed and reviewed by our technical staff, using the Westinghouse methodology and analysis techniques. In addition, a review has been performed by both the Station Nuclear Safety and Operation Committee and the Safety Evaluation and Control staff. It has been determined that no unreviewed safety questions as defined in 10 CFR 50.59 will exist as a result of the Cycle 8 reload core.

During Cycle 7 operation, Vepco experienced levels of primary coolant radioactivity which, although within the limits of the Technical Specifications, were indicative of fuel element defects in the core. As a result of the primary coolant activity, Vepco is planning a fuel examination program to identify the assemblies containing fuel defects. You will be notified if a redesign of the Cycle 8 loading pattern is required, and we will inform you by approximately November 1, 1984 of the results of our evaluation of the alternate loading pattern in accordance with 10 CFR 50.59.

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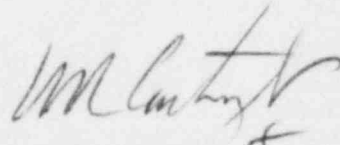
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VIRGINIA ELECTRIC AND POWER COMPANY TO Mr. Harold R. Denton, Director

In the event that Technical Specification changes are required to support Cycle 8 operation with a revised core loading pattern, we will be contacting you to request expeditious review of the change request. This accelerated review would be needed to support our current operating schedule which calls for Cycle 8 startup by approximately December 14, 1984.

This letter is provided for your information and planning. However, should you have questions, please contact us at your earliest convenience.

Very truly yours,



W. L. Stewart

cc: Mr. James P. O'Reilly  
Regional Administrator  
Region II

Mr. J. Don Neighbors  
NRC Project Manager - Surry  
Operating Reactors Branch No. 1  
Division of Licensing

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