

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

W. L. STEWART  
VICE PRESIDENT  
NUCLEAR OPERATIONS

December 27, 1985

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
Attn: Mr. Lester S. Rubenstein, Director  
PWR Project Directorate #2  
Division of PWR Licensing-A  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Serial No. 85-136B  
NO/JDH/acm  
Docket Nos. 50-280  
50-281  
License Nos. DPR-32  
DPR-37

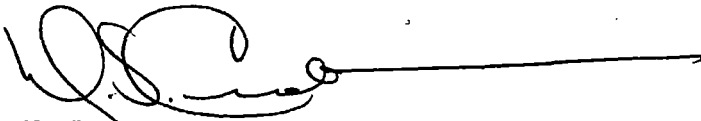
Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY  
SURRY POWER STATION UNIT NOS. 1 AND 2  
PARTIAL EXEMPTION FROM GENERAL DESIGN CRITERION 4  
REQUEST FOR ADDITIONAL INFORMATION

We met with members of your staff on December 19, 1985 in your office in Bethesda, Maryland to discuss our partial exemption request from General Design Criterion 4 for Surry Power Station [reference: our November 5, 1985 (Serial No. 85-136), and December 3, 1985 (Serial No. 85-136A) letters]. At that meeting, your staff identified a need for supplemental information in five areas. The specific items are listed in the Attachment.

Because we are working expeditiously to provide you with the requested information, please notify us immediately if our understanding of the concerns is incorrect. We currently anticipate submitting the supplemental information by January 15, 1986. As we stated at that meeting the increases in plant reliability and maintainability, reductions in cost and personnel exposure are substantial. We appreciate your efforts to support our schedule for implementing the requested relief during the upcoming 1986 Surry refueling outages.

Very truly yours,

  
for W. L. Stewart

Attachment

ADD: PWR - A/BC's TECH SUPPORT

AD - J. KNIGHT (ltr only)  
EB (BALLARD)  
EICSB (ROSA)  
PSB (GAMMILL)  
RSB (BERLINGER)  
FOB (BENAROYA)

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VIRGINIA ELECTRIC AND POWER COMPANY TO

Mr. Harold R. Denton

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

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

Mr. Terence L. Chan  
NRC Surry Project Manager  
PWR Project Directorate #2  
Division of PWR Licensing-A

ATTACHMENT

NRC QUESTIONS RE GDC-4 EXEMPTION REQUEST  
SURRY POWER STATION

1. Provide a summary of piping stresses (similar to Table 1 of the Loading Evaluation in our December 3, 1985 letter) including the main steam and pressurizer surge line breaks (i.e. the controlling breaks).
2. Provide a comparison of the maximum pipe stress locations between the existing and proposed configurations for seismic condition and the controlling break.
3. Provide a comparison of the component support Factors of Safety (similar to Table 2 of the Loading Evaluation in our December 3, 1985 letter) for the existing and proposed configurations including the controlling loads of main steam and pressurizer surge line breaks.
4. Present the Reactor Coolant Pump (RCP) frequencies and modes for significant RCP motion.
5. Discuss verification of the input geometry used in the computer models.