

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

November 19, 1999

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Serial No. 98-300D
NL&OS/SLW R0
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Gentlemen:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNITS 1 AND 2
RESPONSE TO SURRY PLANT DESIGN INSPECTION
NRC INSPECTION REPORT NOS. 50-280/98-201 AND 50-281/98-201
INSPECTION ITEMS 98-201-14 AND 15, DC SYSTEM ANALYSIS

In our response to Inspection Report No. 50-280/98-201 and 50-281/98-201 (Serial No. 98-300) dated July 9, 1998, we stated that the following action items would be completed as indicated below:

ITEM NUMBER	50-280/98-201-14
DESCRIPTION	DC Load Flow/Voltage Drop
COMMITMENT	Calculation EE-0046 will be revised by March 30, 1999. The development of a new DC System transient model and calculation encompassing end components will be complete by December 1, 1999.
ITEM NUMBER	50-280/98-201-15
DESCRIPTION	Adequate DC Component Voltage
COMMITMENT	The development of a new analysis for voltage drops for EDG DC loads will be complete by December 1, 1999.

The commitment to revise calculation EE-0046 has been completed. The remaining commitment for inspection item 98-201-14 and the commitment for resolution of inspection item 98-201-15 require the development of a model to perform the new DC system analysis. Software products were reviewed and a selection was originally made based upon compatibility with software products that are intended to be used by Virginia Power for future AC electrical calculations. However, due to delays in the vendor's development and issuance of the software product, Virginia Power has chosen to forgo the use of this software to complete these commitments and is now performing the DC system analysis using another standard software product presently available on the market. This delay in software development has impacted the scheduled commitment completion dates for the above described inspection items. The revised completion date for completing the new model and analysis associated with inspection items 98-201-14 and 15, is now June 30, 2000.

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PPR AD001L 03000280

If you have questions or require further information, please contact us.

Very truly yours,



Leslie N. Hartz
Vice President – Nuclear Engineering & Services

COMMITMENTS CONTAINED IN THIS LETTER:

1. The development of a new DC System transient model and calculation encompassing end components will be complete by June 30, 2000.
2. The development of a new analysis for voltage drops for EDG DC loads will be complete by June 30, 2000.

cc: US Nuclear Regulatory Commission
Region II
Atlanta Federal Center
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Mr. R. A. Musser
NRC Senior Resident Inspector
Surry Power Station