



VIRGINIA ELECTRIC AND POWER COMPANY

February 26, 1980

Mr. James P. O'Reilly, Director  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Serial No. 144  
PSE&C/CMRjr:vl:wang  
Docket No. 50-281  
License No. DPR-37

Dear Mr. O'Reilly:

**STATUS OF PIPING SYSTEM REANALYSIS  
SURRY POWER STATION UNIT 2**

The purpose of this letter is to advise you of the status of the piping system reanalysis for Surry Power Station Unit 2. We also wish to advise you of a request to the NRC Office of Nuclear Reactor Regulation (NRR) to permit the return of the Unit to service upon completion of certain modifications and also make the same request of your office.

The return of Unit 1 to service in October 1979 was predicated upon completion of certain analyses and resulting modifications to piping systems subject to the NRC Order to Show Cause of March 13, 1979. In our letter of February 22, 1980 (Vepco Serial No. 138) to Mr. Harold R. Denton, we have requested permission for start-up of Unit 2 after a similar scope of analysis and modifications has been completed.

In addition to the scope of work to be completed for the Order to Show Cause prior to start-up of Unit 2, there has been or will be a substantial amount of work completed in conjunction with IE Bulletin 79-14 and IE Bulletin 79-02. The additional work that will be completed prior to start up of Unit 2 is as follows:

1. Completion of pipe stress analysis and resulting modifications installed for all IE Bulletin 79-14 pipe stress problems inside the containment.
2. Completion of detailed support analysis and resulting modifications installed for all IE Bulletin 79-14 pipe stress problems inside the containment.
3. An on going effort for IE Bulletin 79-02 involving inspecting and testing one accessible anchor bolt per base plate and analyzing base plates for flexibility. All work inside the containment will be completed and approximately 80% of the work outside the containment will be completed prior to start-up.

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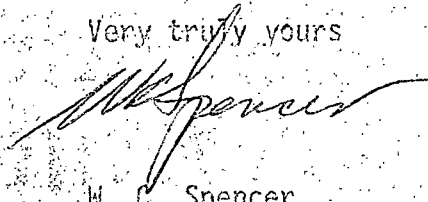
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At the present time, it appears that the modifications noted above can be completed in May, 1980 depending on the installation rate our field forces are able to attain.

The remaining work to be completed after start-up will be completion of the support analysis and any modifications that might be required on the remaining systems outside the containment for both Show Cause and IE Bulletin 79-14. The reporting process for significant modifications will follow the procedure outlined in our letter of November 28, 1979 (Serial No. 972) to Mr. Harold R. Denton, a copy of which was sent to your office.

We believe that the analytical effort completed and the modifications installed at the time of start-up provide a high degree of confidence that the integrity of safety systems for Unit 2 can be assured during the DBE or OBE events. The remaining analytical and modification work outside the containment will be expedited during the operation of the Unit.

Very truly yours



W. C. Spencer

Vice President - Power Station  
Engineering and Construction

cc: Mr. Victor Stello, Director  
Office of Inspection & Enforcement

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation