

**Vepco**

June 15, 1981

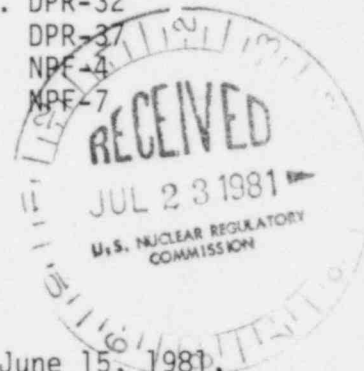
VIRGINIA ELECTRIC AND POWER COMPANY

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. 372  
PSE&C/RHW:dac  
Docket Nos. 50-280  
50-281  
50-338  
50-~~329~~  
License Nos. DPR-32  
DPR-37  
NRF-4  
NRF-7

Dear Mr. O'Reilly:

I. E. BULLETIN NO. 80-11 MASONRY WALL DESIGN  
SURRY POWER STATION - UNITS 1&2  
NORTH ANNA POWER STATION - UNITS 1&2



This letter provides the interim progress report as of June 15, 1981, which was requested by your letter of March 13, 1981. The purpose of the letter is to update the responses provided in our letters of November 3, 1980, Serial Number 878, and April 15, 1981, Serial Number 245, and inform you of the current status of our efforts to comply with I.E. Bulletin 80-11.

The identification and re-evaluation of all masonry walls, which are in proximity to or have attachments from safety-related piping or equipment such that wall failure could affect a safety-related system, is required by the Bulletin. Based on this criteria, the present scope of the masonry wall re-evaluation program consists of 119 walls at Surry and 70 walls at North Anna. This scope is determined as follows:

Eighty-nine walls at Surry and 65 walls at North Anna were identified in our November 3, 1980 letter as having safety-related equipment in the proximity of the walls. An additional 41 walls at Surry and nine walls at North Anna were identified in our letter of April 15, 1981 as also having safety-related equipment in the proximity of the wall. Subsequent investigations to determine the safety significance of equipment in the proximity of the walls indicated that nine walls at Surry and one wall at North Anna did not have safety-related equipment in the proximity of the wall and should be removed from the re-evaluation scope, and that one wall at Surry should be added to the scope. Three walls in the vicinity of the control room at each station are being upgraded to meet the NRC ballistics requirements and are not included in the re-evaluation scope. However, the modifications for this upgrading include the addition of structural members to ensure that the as-modified walls meet the requirements of the bulletin.

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Analysis has been completed for 82 of the 119 walls at Surry and for 37 of the 70 walls at North Anna. Preliminary modifications to reinforce the walls or relocate or protect equipment have been developed for most of the remaining 37 walls at Surry and 33 walls at North Anna which have not completed analysis. Modifications to five of these walls at Surry and five of these walls at North Anna have been installed. Analysis of the remaining walls is being refined to incorporate more exact analytical techniques with computer aided analysis and to evaluate the walls using inelastic analytical techniques in order to determine if the preliminary modifications are required.

As described in the attachment to our April 15, 1981 letter, inspection of the non-seismic areas of Surry and North Anna were conducted to verify that safety-related equipment is not located in the proximity of walls in these areas of the Stations. The results of these inspections show that all 339 walls at Surry and 323 of the 328 walls at North Anna have no safety-related equipment attached to or in the proximity of the walls. Of the remaining five walls at North Anna, conduits on two walls were relocated out of the proximity of the walls, and the conduit on the three remaining walls is being investigated to determine its safety significance.

The current results of the re-evaluation program indicate the safety of the plants will not be jeopardized by continued analysis of the remaining walls during plant operations. If, however, during the remainder of the re-evaluation program the operability of any safety-related system is shown to be in jeopardy by the results of the analysis, the applicable Technical Specifications action statement will be met.

Analysis of the remaining walls will be completed by June 31, 1981 and the final results of the re-evaluation program will be submitted after completion of the program. Should you have any questions or require additional information, please contact us.

Very truly yours,

B. R. Sylvia  
Manager - Nuclear  
Operations and Maintenance

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

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

