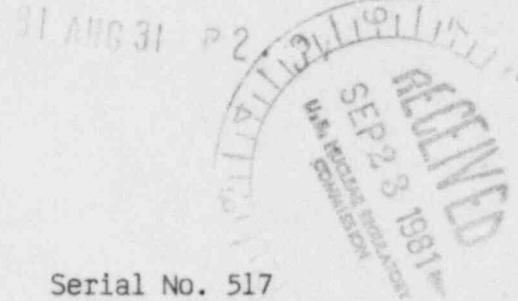


VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

R. H. LEASBURG
VICE PRESIDENT
NUCLEAR OPERATIONS

August 25, 1981



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

Serial No. 517
PSE&C/RHW:lmf
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Mr. O'Reilly:

I. E. BULLETIN NO. 80-11
MASONRY WALL DESIGN
SURRY POWER STATION UNIT NOS. 1 AND 2

Our letter of July 29, 1981, Serial No. 456, identified a problem area involving five block walls in the auxiliary building where the wall thickness was found to consist of two six inch blocks with a small gap between them rather than one twelve inch block as originally determined. During the repair of these walls one additional wall, AB-27-6-8, was also identified as having similar construction. The structural integrity of four of these walls (AB-27-6-1, AB-27-6-7, AB-27-6-8, AB-27-6-32) has been assured by pumping grout between the two six inch blocks to ensure structural behavior which is consistent with the results of our analysis. The remaining two walls, AB-27-6-33 and AB-27-6-34, have structural modifications installed to ensure structural stability of the wall.

Our letter of July 29 further stated that a procedure was being developed to inspect other walls to ensure that similar conditions do not exist in other areas. This procedure has been implemented and the inspections completed. The results of these inspections show that twenty additional walls have similar problems in that the walls consist of two or more wythes (vertical sections) without collar joints (vertical longitudinal mortar joints between the wythes). These walls are identified as follows:

AB-2-0-2	AB-13-0-7
AB-2-0-10	AB-27-6-2
AB-2-0-11	AB-27-6-3
AB-2-0-12	AB-27-6-13
AB-2-0-13	AB-27-6-14
AB-2-0-14	AB-27-6-19
AB-2-0-15	AB-27-6-20
AB-2-0-18	AB-27-6-37
AB-2-0-22	SB-27-0-3
AB-2-0-23	SB-27-0-10

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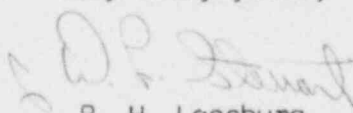
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These walls are being reanalyzed to incorporate the information obtained in the recent inspections. Analysis of all twenty walls was completed prior to our completion date of July 31, 1981. Sixteen walls were acceptable by analysis and four walls (AB-27-6-19, AB-27-6-20, SB-27-0-3, and SB-27-0-10) had modifications installed to ensure structural stability. We are revising the analysis of these walls to incorporate the new information. At the present time we do not anticipate any major problems with the reanalysis of these walls and estimate that grouting or structural ties may be used to provide a greater assurance of the structural integrity of some walls. We have all our available designers working on the reanalysis of these walls to expeditiously resolve this matter and will advise you if any problems arise which would jeopardize safe operation of the units. To further expedite the resolution of this matter we are following a dual approach of performing field repairs or modifications in parallel with the reanalysis of the walls. We expect to have the reanalysis of these walls and all associated modifications completed by the end of October, 1981. We are making every effort to improve this schedule and will advise you if improvements can be made.

We will submit our final report or I.E. Bulletin 80-11 after completion of this reevaluation and include the results of our reevaluation in the report.

If you have any questions or require additional information please contact us.

Very truly yours,



R. H. Leasburg

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

Mr. Steven A. Varga, Chief
Operating Reactors Branch No.1
Division of Licensing

COMMONWEALTH OF VIRGINIA)
)
CITY OF RICHMOND)

The foregoing document was acknowledged before me, in and for the City and Commonwealth aforesaid, today by W. L. Stewart, who is Director-Operation and Maintenance Services, of the Virginia Electric and Power Company. He is duly authorized to execute and file the foregoing document in behalf of that Company, and the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 25th day of August, 19 81.

My Commission expires: 2-26, 19 85.

Ann C. Mersee

Notary Public

(SEAL)