

USNR REGION II
VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

July 29, 1981

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R. H. LEASBURG
VICE PRESIDENT
NUCLEAR OPERATIONS

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

Serial No. 456
PSE&CS/HSM/SGE:jmj
Docket Nos. 50-280
50-281
License Nos. DFR-32
DPR-37

Dear Mr. O'Reilly:

I.E. BULLETIN 80-11
MASONRY BLOCK WALLS
SURRY POWER STATION UNIT NOS. 1 AND 2

In our continuing evaluation of the Masonry Block Walls at Surry Power Station Unit Nos. 1 and 2, two problem areas have been noted which could cause Vepco difficulty in completing installation of modifications in support of our commitments of July 31, 1981. The analysis will be completed by July 31, 1981. Both of these problems have been discovered in the process of installing modifications which assure the structural integrity of the walls.

The first problem is the block wall located directly behind the control room area, wall r 5-27-0-4 as shown on the key plans previously transmitted to you. In the process of installing a modification on this wall it was found that the concrete blocks adjacent to the concrete columns were of a different thickness than what was previously assumed. The easiest resolution for this matter would have been to remove the block of different thickness and replace it with new block thereby providing better structural integrity. There is concern, however, that during removal of the blocks that blocks may be dropped and cause damage to the control room vertical board which is in close proximity to this wall. For this reason as a safer means, a structural steel modification, has been proposed which will alleviate this condition. We believe there is a greater risk for removal rather than waiting to install the structural steel. However, it presently appears that this modification will not be installed by July 31, 1981 but should be completed within 15 days after July 31, 1981.

The other problem area involves five(5) block walls in the auxiliary building: AB-27-6-1, AB-27-6-7, AB-27-6-32, AB-27-6-33, and AB-27-6-34. In the process of installing modifications which assure the structural integrity of the wall, it was found that these walls consisted of two(2) 6 inch thick blocks with a small gap in between instead of one solid 12 inch block. A number of re-

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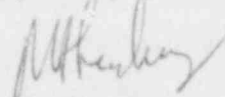
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solutions to this matter are being considered including: pump grout between the two 6 inch walls, remove one of the 6 inch walls and rebuild it with mortar between the two, remove the wall completely and rebuild it, or provide an additional structural steel modification. Any of these resolutions will result in conditions which would assure the structural integrity of these block walls. This matter will be resolved and appropriate repairs made within 15 days after July 31, 1981.

In addition a procedure is being developed to inspect other walls to ensure that conditions such as those previously described do not exist in other areas.

If you or your staff require further information on this matter, we would be pleased to discuss this with them at their convenience.

Very truly yours,



R. H. Leasburg
Vice President Nuclear Operations

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 R. H. Leasburg, who is Vice President-Nuclear Operations, 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 29th day of July, 19 81.

My Commission expires: January 19, 19 82.

Evelyn C. Yarox
Notary Public

(I was commissioned as Evelyn Cherry.)

(SEAL)