VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

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May 23, 1979

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USNRC REGION II
ATLANTA, GEORGIA

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. 221C
PO/DLB:baw
Docket No. 50-338
License No. NPF-4

SUBJECT: IE BULLETIN 79-04
NORTH ANNA POWER STATION UNIT NO. 1

Dear Mr. O'Reilly:

This is in response to IE Bulletin 79-04, "Incorrect Weights for Swing Check Valves Manufactured by Velan Engineering Company", and is a supplement to our initial response of May 3, 1979.

As stated in Attachment 2 to our May 3, 1979 response, there are twelve (12) of the subject 3" check valves installed in North Anna Unit No. 1. It has now been determined that the existing design of all piping containing the subject valves is acceptable.

The analytical techniques used fall into three categories as follows:

1) Four valves in the safety injection lines were reanalyzed by Stone and Webster Engineering Corporation using the PSTRESS/SHOCK III 03/03 computer codes. All pipe and pipe support stresses were acceptable.

2) Four valves in charging system lines (Class 1) were reanalyzed by Teledyne Engineering Services using the TMR-SAP computer code. All pipe and support stresses were acceptable.

3) The four remaining Velan 3 inch C58 valves are located in Class 2 and 3 portions of the charging system which were analyzed by Stone and Webster. These valves were considered separately because these small, relatively cool lines were analyzed using

the simplified method described in FSAR Section 3.7.3.1.3.7. Seismic qualification of these lines is assured by conservative support spacing and by conservatively high standard support design loads. These standards allow for various in-line components such as valves, flanges, flow restrictors, etc. The exact weight of a specific component is not required.

Very truly yours,

C. M. Stallings

C. M. Stallings
Vice President-Power Supply
and Production Operations

cc: NRC Office of Inspection and Enforcement
Division of Reactor Operations Inspection
Washington, D. C. 20555