

Vepco

VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA 23261

81-002-032

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

February 27, 1981

Serial No. 137
PSE&C/DCC:jmc

Docket Nos. 50-404

Dear Mr. O'Reilly:

REACTOR COOLANT SYSTEM ATTACHED PIPING
NORTH ANNA UNIT 3

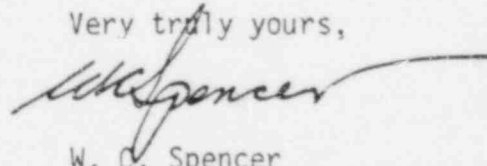
On January 29, 1981, NRC Region II was notified under the provisions of 10CFR50.55 (e) concerning an apparent disconnect between the assumptions relative to pipe breaks in the Loss of Coolant Accident (LOCA) analysis and the structural analysis for certain connecting piping in the affected Reactor Coolant System (RCS) loop. This item was also reported as being covered by 10CFR21. In accordance with the applicable reporting requirements, we submit this 30 day report as an Interim Report on this matter.

The report stated that the current Babcock and Wilcox Emergency Core Cooling System (ECCS) analyses for LOCA do not consider the consequential failure of piping and instrumentation connections to the RCS. Certain of these lines and connections may not have been evaluated to verify their structural integrity under the postulated accident conditions. In the event of a LOCA, the failure of these attached piping and instrumentation connections could represent an inconsistency with the ECCS analysis.

As a result of careful evaluation, a plan has been implemented for addressing these concerns. All piping and instrumentation connections to the Reactor Coolant System required to maintain function or resist consequential failure as a result of a LOCA will be analyzed to ensure that they are adequately designed. Any items that cannot be shown to be acceptable will be redesigned as necessary.

As noted above, this letter represents an interim report. A final report will be filed following the resolution of this matter.

Very truly yours,



W. O. Spencer
Vice President - Power Station
Engineering and Construction Services

cc: Mr. Robert L. Tedesco
Division of Licensing

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