

79-172-000

Vepco

VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA 23261

November 9, 1979

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. 934
PSE&C/CGC:mac:wang

Docket No. 50-339

Dear Mr. O'Reilly:

On November 5, 1979, a report was made under the provisions of 10CFR50.55(e) concerning seismic response spectrum curves in some pipe stress analyses.

In accordance with the reporting requirements of 10CFR21, the following information is submitted:

A. Name and address of reporting individual:

Mr. E. A. Baum, Executive Manager
Licensing and Quality Assurance
Virginia Electric and Power Company
P. O. Box 26666
Richmond, Virginia 23261

POOR ORIGINAL

B. Facility, activity and/or component affected:

North Anna Power Station, Unit 2
Some Safety Related Pipe Systems

C. Name of firm constructing the facility or supplying the component, activity or service:

Stone & Webster Engineering Corporation
P. O. Box 2325
Boston, Massachusetts 02107

D. Description of defect, deficiency, or failure to comply:

We have discovered a problem concerning amplified response spectrum (ARS) curves applied in some pipe stress analyses for safety related systems; this problem could yield unconservative pipe stresses, pipe support loads, and equipment loads.

We have determined that this problem applies to 44 MSK's (an MSK is an isometric piping drawing) on Unit 1; however, 18 of these 44 MSK's are applicable to Unit 2 as well. To date, reanalysis has identified two pipes on Unit 1 and one pipe on Unit 2 which would be overstressed during accident conditions.

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E. Date of determination of reportability:

November 5, 1979

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F. Similar components, activities, or services:

North Anna Power Station, Unit 1

G. Corrective action which has been, is being or will be taken, the individual responsible and the length of time to complete the action:

Stone & Webster has already begun a program to reanalyze all MSK's affected by this problem. Modifications will be made as required.

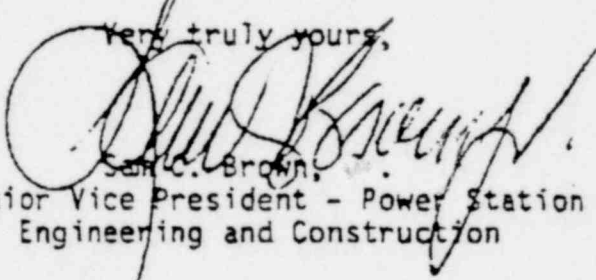
H. Other information:

None

Any information not available at this time will be submitted in a follow-up letter as a 30-day report.

Should you require further information, please contact this office.

Very truly yours,


Sam C. Brown,
Senior Vice President - Power Station
Engineering and Construction

cc: Director, Office of Inspection
and Enforcement (3)

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