

79-120-000(R)

VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

April 27, 1979

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. 309  
PO/FHT:scj  
Docket No. 50-338  
License No. NPF-4

Dear Sir:

Under the provisions of the operating license Technical Specifications and/or 10CFR21, NRC Region II was notified on April 24, 1979 that a potential significant deficiency or substantial hazard existed at North Anna Power Station, Unit No. 1

In accordance with the reporting requirements of the above regulations, the following information is submitted:

A. Name and address of reporting individual:

C. M. Stallings  
Virginia Electric and Power Company  
P. O. Box 26666  
Richmond, Virginia 23261

B. Facility, activity, and/or component affected:

Service water supply and return headers to the Component  
Cooling Heat Exchangers, North Anna Power Station Unit No. 1

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

Stone and Webster, Boston, Massachusetts

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

It was discovered by Station Personnel that the twelve rubber expansion joints for the service water side of the Component Cooling Heat Exchangers were deflected greater than the misalignment tolerances specified by the manufacturer. Also discovered was the use of only two restraints on the expansion joints when a minimum of three is required. The cause of this deficiency is under investigation and will be reported at a later date.

E. Date of Determination of Reportability: April 24, 1979

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## F. Similar components, activities, or services:

There are two Component Cooling Heat Exchangers for each unit. Six of the twelve affected joints are on the Unit 2 Component Cooling Heat Exchangers.

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

A re-evaluation of the piping installation is being done by Stone & Webster. As each joint is re-evaluated, the piping is being realigned and a new rubber expansion joint installed. This rework for Unit 1 will be completed prior to startup.

## H. Other Information:

Any additional information regarding the above topic will be submitted as a Licensee Event Report.

Should you require further information, please contact this office.

Very truly yours,

*C. M. Stallings*

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

cc: Mr. John G. Davis, Acting Director (3)

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