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USNRG REGION  
ATLANTA, GA

**VIRGINIA ELECTRIC AND POWER COMPANY**  
**RICHMOND, VIRGINIA 23261**

May 31, 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. 423  
PO/FHT:baw  
Docket No.: 50-281  
License No.: DPR-37

Dear Mr. O'Reilly:

**REGULATORY DOCKET FILE COPY**

Under the provisions of the operating license Technical Specifications and/or 10CFR21, NRC Region II was notified on May 25, 1979, that a potential significant deficiency or substantial safety hazard existed at Surry Power Station Unit No. Two.

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:**

The report is from Surry Power Station, Unit No. 2 as part of the Steam Generator Replacement Project. The affected component is the lower shell of Steam Generator No. 2973.

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

The component is supplied by Westinghouse Electric Corporation, Tampa, Fl.

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

Bolt hole No. 4 on Pad No. 19D of Steam Generator No. 2973 was discovered to have approximately one half to three quarters of an inch of thread missing. The helicoil was inserted in the bolt hole and the missing threads were not detected during receipt inspection. Some problems were encountered in the fitting and the helicoil was removed and the problem detected. This problem could have resulted in less than required thread engagement.

**E. Date of Determination of Reportability:**

May 25, 1979

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F. Similar components, activities, or services:

This potential deficiency could be present in the Westinghouse Series 51 Steam Generators, which have been or will be shipped to Vepco (Generator Nos. 2971, 2972, 2973, and 2961 have been shipped).

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.

All helicoils of the steam generator feet were removed and new helicoils installed. The affected bolt hole will be fitted using a special long bolt (9 1/4") to ensure the required thread engagement. An inspection of helicoils on the two remaining steam generators is underway to ensure that the thread engagement requirement can be met. Investigation by Vepco and Westinghouse personnel is continuing.

Any additional information such as identification of additional corrective action will be submitted as a supplement to this 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: Director - Office of Inspection and Enforcement (3)