

# Vepco

VIRGINIA ELECTRIC AND POWER COMPANY, RICHMOND, VIRGINIA 23261

February 27, 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. 024C  
PSE&C/LCK:adw:mc

Docket No. 50-339

Dear Mr. O'Reilly:

In accordance with 10CFR50.55(e), the NRC, Region II, was notified on January 8, 1979 that the North Anna Unit 2 Axial Power Distribution Monitoring System (APDMS) provided by Westinghouse Electric Corporation does not account for the in-core moveable detector background signal when determining the axial flux shape,  $F_j(z)$ .

In our previous letter of February 16, 1979, Serial No. 024B, we presented our final report on this concern stating that the deficiency would be corrected by implementing administrative procedures requiring the reactor operator on North Anna Unit 2 to review the flux traces used by the APDMS in order to characterize detector background levels and flux amplitude. Also, the APDMS input values would be adjusted in order to conservatively account for the effects of detector background. We explained that these procedures were currently being followed at North Anna Unit 1. Following the transmittal of this letter, your Mr. M. S. Kidd requested this supplemental letter concerning the APDMS matter.

It is Vepco's opinion that the proposed administrative procedures in our letter of February 16, 1979 satisfactorily resolve all potential safety implications and as such, the deficiency caused by the APDMS hardware's inability to account for detector background levels is corrected. However, the operations staff at our North Anna power station is currently considering the possibility of alternate methods of lessening the amount of reactor operator intervention necessary to the correct operation of APDMS. The primary method now being considered consists of possible APDMS hardware/software modifications.

In any case, the fact remains that all possible safety implications associated with this APDMS problem have been adequately corrected and thus no longer pose a concern.

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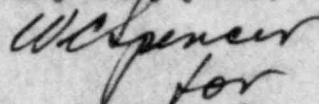
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Mr. James P. O'Reilly

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This letter is to be considered an addition to our final report on this item and no further correspondence is anticipated.

Very truly yours,



for  
Sam C. Brown, Jr.

Senior Vice President

Power Station Engineering and Construction

cc: Mr. John G. Davis, Acting Director  
Office of Inspection & Enforcement

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation