

VIRGINIA ELECTRIC AND POWER COMPANY

RICHMOND, VIRGINIA 23261

February 14, 1980

POOR ORIGINAL

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. 123  
PO/BMT:baw  
Docket No. 50-330  
Permit No. CPPR-78

Dear Mr. O'Reilly:

Pursuant to the provisions of 10 CFR 50.55(e) the NRC Region II was notified on January 16, 1980 that the control panels for the Unit 2 control room air conditioning chiller units were not qualified to Seismic Category I requirements. The nonseismic qualification of the Unit 1 control panels was previously reported to the commission in LER 80-008/01T-0.

To seismically qualify the panel internals, a shake test of one of the Unit 2 chiller control panels was conducted at an off-site test facility. Preliminary results of the seismic tests indicate that the control panels for chillers 1-HV-E-4A, B and C and 2-HV-E-4A, B and C are seismically qualified for installation at North Anna Power Station. The testing was coordinated and witnessed by Stone & Webster Engineering Mechanics and Control Systems Engineers and Westinghouse factory representatives.

Because the testing was performed with the control panel installed on a rigid frame, several modifications are required to ensure that the chiller assembly, as installed, is a rigid frame. This includes the removal of the four rubber isolation pads presently under the base of the water chiller and substituting them with metal base plates or shims and installing grout to maintain the existing unit base elevation. In addition, it is necessary to disconnect a "Guardistor" relay from the chiller control circuit, which is a product feature designed to provide additional motor overload protection. This action will require a modification to the chiller control wiring circuit. Since normal motor overload protection is supplied with the chiller unit, chiller control circuit reliability will be increased by this particular modification. The aforementioned changes will be completed prior to initial fuel loading of Unit 2.

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Mr. James P. O'Reilly

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This report constitutes our final correspondence on this matter. Should you require any further information, please contact this office.

Very truly yours,

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

cc: Mr. Victor Stello, Director  
Office of Inspection and Enforcement

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

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