

AMERICAN ELECTRIC POWER *Service Corporation*



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August 17, 1981

Donald C. Cook Nuclear Plant Unit Nos. 1 and 2  
Docket Nos. 50-315 and 50-316  
License Nos. DPR-58 and DPR-74  
REQUEST FOR RELIEF FROM TECHNICAL SPECIFICATION NO. 3.0.3

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Denton:

This letter supplements our letter of August 14, 1981 concerning our request for a license amendment granting relief from the requirements of Technical Specification No. 3.0.3.

As reported to you earlier, during the investigation conducted to satisfy the requirements of Generic Letter 81-14 entitled "Seismic Qualification of Auxiliary Feedwater Systems," the installation of certain safety-related 4 kV switchgear bus cabinets and 600V motor control centers was found to be inadequate to prevent this safety-related equipment from overturning during the Design Basis Earthquake (DBE) event. Overturning of this equipment might conceivably result in damage which may prevent safety-related equipment from functioning.

Our continued investigation of the matter has now shown that certain of the safety-related 600V switchgear bus cabinets are also inadequately anchored to prevent overturning during the DBE. This investigation is beyond the scope of NRC Generic Letter 81-14 covering safety-related equipment not part of the Auxiliary Feedwater System. To ensure that this equipment will withstand the overturning moment due to the DBE, we are installing the temporary modifications consisting of rope tiedowns similar in purpose to those done to the 4 kV switchgear bus cabinets. At the same time, we have designed, and are expeditiously proceeding to implement, a permanent modification. We believe that this permanent modification will be completed within the time period specified in our letter of August 14, 1981.

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The following is a list of all safety-related equipment requiring modification:

A) 600V Motor Control Centers - Unit 2 only

- i) MCC - 2-AM - A
- ii) MCC - 2-AM - D

B) 4 kV Switchgear Buses/Cabinets

- i) Unit 1 - T11A, T11B, T11C, T11D
- ii) Unit 2 - T21A, T21B, T21C, T21D

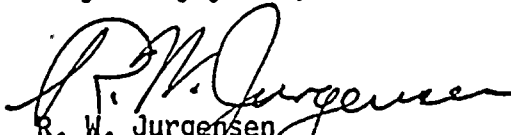
C) 600V Switchgear Buses/Cabinets

- i) Unit 1 - 11A, 11B, 11C, 11D
- ii) Unit 2 - 21A, 21B, 21C, 21D

The plant equipment served by the 4 kV and 600V switchgear buses is shown on FSAR Figure 8-1. Our letter of December 20, 1979 (AEP:NRC:00300A) contains diagram numbers 1-1200A-19, 1-1200G-32, 2-1200A-4 and 2-1200G-20 which also show which equipment is served by each bus or MCC.

We have agreed with your Staff to decrease reactor power until such time at which we either complete the temporary bracing of one train of the 600V switchgear equipment or until we reach 60% reactor power, whichever occurs first. Should we reach 60% reactor power first, we will hold at that power level until one train of equipment has been temporarily braced, but in no case for more than eight hours without further approval from your Staff. Your Staff has further agreed to allow the Units to return to full reactor power as soon as one train of equipment has been braced in each unit. In addition, we have agreed to brace the second train not later than 24 hours from the completion of the temporary bracing of the first train of equipment.

Very truly yours,

  
R. W. Jurgensen  
Assistant Vice President  
Nuclear Engineering Division

RWJ:clb

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