

December 22, 1987

Docket Nos. 50-254, 265,  
237, 249

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Mr. L. D. Butterfield, Jr.  
Nuclear Licensing Manager  
Commonwealth Edison Company  
P.O. Box 767  
Chicago, Illinois 60690

Dear Mr. Butterfield:

SUBJECT: QUAD CITIES STATION UNITS 1 AND 2, DRESDEN STATION UNITS 2 AND 3  
EFFECT OF POSTULATED DC POWER FAILURE

References: 1. R. F. Janecek letter to T. A. Ippolito dated June 12, 1980  
2. T. A. Ippolito letter to D. L. Peoples dated April 25, 1980

This letter is in response to your December 22, 1987 letter to T. E. Murley on the subject of the effects of a postulated DC power failure on ECCS performance for Quad Cities Stations Units 1 and 2 and Dresden Station Units 2 and 3. The staff has reviewed your description of the issue; your understanding of the licensing assumptions involved in demonstrating compliance with 10 CFR 50.46 and 10 CFR 50 Appendix K; your safety analysis addressing Quad Cities Unit 1 startup and continued safe operation of Quad Cities Unit 2 and Dresden Units 2 and 3; and your commitment to resolve this issue within 60 days either by justification for not considering failures of the DC power supply or by proposing plant modifications and an implementation schedule which would assure acceptable ECCS performance following a LOCA plus loss of offsite power and a DC power supply failure.

On the basis of information currently available including information in references 1 and 2, we cannot conclude at this time that the Quad Cities Units 1 and 2 and Dresden Units 2 and 3 are in compliance with the requirements of 10 CFR 50.46 and 10 CFR 50 Appendix K. In addition, we have reviewed your safety analysis for continued operation for 60 days and agree that the low probability of the accident in question and the compensatory measures taken provide adequate

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PDR ADOCK 05000257  
P PDR

protections to assure that there is no undue risk to the public health and safety during this period. In light of these findings, we conclude that operation of the units in question is acceptable and that any consideration of enforcement action (should a condition of non-compliance be concluded) will be waived by the NRC during this 60 day period. Upon review of the additional information or plans you provide during these 60 days, we will take the appropriate measures (e.g., temporary exemption if needed) to assure the long term resolution of this issue.

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Gary M. Holahan, Assistant Director  
for Regions III and V  
Division of Reactor Projects  
Office of Nuclear Reactor Regulation

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Mr. L. D. Butterfield, Jr.  
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Quad Cities Nuclear Power Station  
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