



UNITED STATES
ATOMIC ENERGY COMMISSION
DIRECTORATE OF REGULATORY OPERATIONS
REGION III
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June 7, 1972

Commonwealth Edison Company
ATTN: Mr. Byron Lee, Jr.
Assistant to the President
P. O. Box 767
Chicago, Illinois 60690

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

Gentlemen:

We recently received information, from a licensee operating a boiling water reactor which may relate to the performance of the essential services power supply in your Dresden and Quad-Cities facilities. The information is as follows:

a. Description of Circumstances

Two failures of essential services power supply at a reactor undergoing startup testing have resulted in low water level scrams due to the inability to control feedwater. The essential services power supply system consists of a 120/240 V, single phase 33.3 KVa AC generator which is driven alternately by a 440 V, 3 phase 50 h.p. AC motor or in the event of loss of AC power, a 125 V 50 h.p. DC motor. In the event of a failure of the essential services power supply a manual transfer to a reserve 480-120/240 V, 37.5 KVa transformer is required to regain power to essential services buses. This manual transfer must be performed in the auxiliary electric room located two stories below the control room.

Another similar facility has experienced a loss of essential services power with the same low water level scram results, and requiring the same manual switching remote from the control room.

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See docket 50-237

*Proposed by RO: III to
be sent -
NOT sent OUT TO
licensees*