



**Commonwealth Edison**  
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January 22, 1990

Dr. Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Dresden Station Units 2 and 3  
Quad Cities Station Units 1 and 2  
Revised Report on ECCS Availability  
"Effects of Postulated DC Power Failure"  
NRC Docket Nos. 50-237/249 & 50-254/265

References: (a): Letter from J.A. Silady to T.E. Murley  
dated June 21, 1988  
  
(b): Letter from J.A. Silady to T.E. Murley  
dated February 8, 1989

Dear Dr. Murley:

Enclosed is a revised report for the subject study which was previously submitted in Reference (a) as one of several Commonwealth Edison measures taken in response to the LPCI/RHR swingbus design flaw first identified at Fermi 2 (LER No. 87-045-00). The Reference (a) study was performed for Quad Cities Unit 1 and its conclusions were later evaluated to be applicable to the other three Dresden and Quad Cities units as documented in Reference (b).

This revised report in no way affects the original conclusion of Reference (a) and (b), i.e., given a single source DC power failure, adequate Emergency Core Cooling Systems will be available to safely mitigate the consequences of Line Break Accidents.

The report has been revised by Sargent and Lundy Engineers, at CECO's request, for the sole purpose of enhancing the completeness of the report. More specifically, the revisions:

- (a) Better define the review process employed in the original analysis, and
- (b) Provide greater detail on the majority of the 125V DC circuits relating to circuit functionality and the consequences of failure on ECCS availability.

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As previously stated, the conclusion reached in the original report is still valid. This revision is provided so that the enhanced report is available for your staff's information.

The modifications to eliminate the swingbus design weakness which was identified at Fermi 2 have now been completed on three of the Dresden and Quad Cities units with installation in progress on the fourth unit, Dresden 3, during its end of cycle 11 outage.

Please contact this office should further information be required.

Very truly yours,



J.A. Silady  
Nuclear Licensing Administrator

Attachment

cc: A.B. Davis - Regional Administrator, RIII  
B.L. Siegel - Project Manager, NRR  
S.G. DuPont - Senior Resident Inspector, Dresden (w/o att.)

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