



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

June 12, 1980

Mr. T. A. Ippolito, Chief
Operating Reactors - Branch 3
Division of Operating Reactors
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Dresden Station Units 2 and 3
Quad Cities Station Units 1 and 2
ECCS Performance Following a
DC Power Supply Failure
NRC Docket Nos. 50-237/249 and
50-254/265

Reference (a): T. A. Ippolito letter to D. L. Peoples
dated April 25, 1980

Dear Mr. Ippolito:

Reference (a) requested that Commonwealth Edison Co. review the Emergency Core Cooling Systems (ECCS) at Dresden Units 2/3 and Quad Cities Units 1/2 to confirm the availability of equipment following a DC power supply failure.

We have completed the requested review and have determined that the systems listed by General Electric Co. in their analysis, i.e. the Automatic Depressurization System (ADS), one (1) Core Spray (CS) pump, and two (2) Low Pressure Coolant Injection (LPCI) pumps, as a minimum, would be available following a DC power supply failure and a recirculation loop discharge or suction piping break.

In addition, modifications are complete at Dresden and are in progress at Quad Cities which will ensure that the High Pressure Coolant Injection (HPCI) system is available following a DC power supply failure. This modification provides automatic switch over from the primary to an alternate 125 V DC source. This capability provides significant margin beyond that stated in the General Electric Report for Dresden 2 and 3 and Quad Cities 1 and 2.

Our review also considered the effects of water spillage and determined that none of the ECCS are vulnerable to drywell flooding, since all active components are located outside the drywell or are at elevations that are not subject to flooding.

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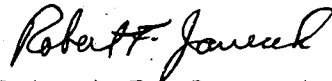
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June 12, 1980
Page 2

Please address any questions concerning this matter to this office.

One (1) signed original and fifty-nine (59) copies of this transmittal are provided for your use.

Very truly yours,



Robert F. Janecek
Nuclear Licensing Administrator
Boiling Water Reactors