

November 17, 2000

SVP-00-174

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Quad Cities Nuclear Power Station, Units 1 and 2
Facility Operating License Nos. DPR-29 and DPR-30
NRC Docket Nos. 50-254 and 50-265

Subject: 10 CFR 50, Appendix R, Safe Shutdown Analysis

- Reference: (1) Letter from D. A. Sager (ComEd) to USNRC dated March 31, 1998, "Unreviewed Safety Question Involving Use of Station Blackout (SBO) Diesel Generators (DGs) and use of Mobile Safe Shutdown (SSD) Batteries in the Appendix R SSD Analysis"
- (2) Letter from D. A. Sager (ComEd) to USNRC dated April 13, 1998, "Unreviewed Safety Question Involving Additional Operator Manual Actions in the Appendix R Safe Shutdown Report (SSR)"
- (3) Letter from J. P. Dimmette (ComEd) to USNRC dated October 27, 1999, "10 CFR 50, Appendix R, Safe Shutdown Analysis"

In References (1) and (2) we requested NRC approval for three changes related to the Safe Shutdown Analysis (SSA) at Quad Cities Nuclear Power Station. These changes were determined to involve an Unreviewed Safety Question (USQ) in accordance with 10 CFR 50.59, "Changes, tests and experiments." The USQ involving the Mobile Safe Shutdown Batteries was withdrawn in Reference (3). The two remaining USQs include: 1) the use of the Station Blackout (SBO) diesel generators and 2) an increase in post-fire manual actions outside the main control room.

The 10 CFR 50 Appendix R Optimization Project has taken positive actions to improve the safe shutdown capabilities at Quad Cities Nuclear Power Station. We have developed an improved Safe Shutdown Analysis (SSA) which reflects enhancements directly related to the use of the SBO diesel generators and post-fire manual actions outside the control room. These improvements are a result of detailed post-fire circuit analysis and plant modifications aimed at improving our post-fire safe shutdown capabilities. Furthermore, the improved SSA

A006

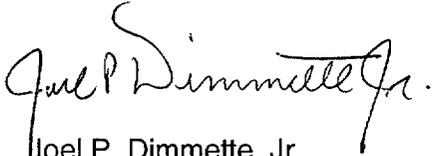
November 17, 2000
U.S. Regulatory Commission
Page 2

demonstrates that opposite unit effects (i.e., the impact on the non-fire unit) are minimal. In general, the non-fire unit will be shutdown using existing (i.e., non-fire) station procedures.

The improved SSA has been evaluated in accordance with the 10 CFR 50.59 process. Consistent with our License Condition h.3.F (DPR-29 and DPR-30), the improved SSA does not adversely affect the ability to achieve and maintain safe shutdown in the event of a fire. Accordingly, ComEd is withdrawing the two remaining USQs.

Should you have any questions concerning this letter, please contact Mr. C.C. Peterson at (309) 654-2241, extension 3609.

Respectfully,



Joel P. Dimmette, Jr.
Site Vice President
Quad Cities Generating Station

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Quad Cities Generating Station

November 17, 2000
U.S. Nuclear Regulatory Commission
Page 3

bcc: Project Manager – NRR
Office of Nuclear Facility Safety, - IDNS
Senior Reactor Analyst – IDNS
Manager of Energy Practice – Winston and Strawn
Director, Licensing and Compliance – ComEd
Vice President, Regulatory Services– ComEd
ComEd Document Control Desk Licensing (Hard Copy)
ComEd Document Control Desk Licensing (Electronic Copy)
W. Leech – MidAmerican Energy Company
D. Tubbs – MidAmerican Energy Company
Regulatory Assurance Manager – Dresden Generating Station
Regulatory Assurance Manager – Quad Cities Generating Station
NRC Coordinator – Quad Cities Generating Station
NSRB Site Coordinator – Quad Cities Generating Station
Site Vice President - Quad Cities Generating Station
Station Manager - Quad Cities Generating Station
SVP Letter File