

ENCLOSURE

. SAFETY EVALUATION REPORT  
REMOTE SHUTDOWN PANEL ISOLATION  
GRAND GULF NUCLEAR STATION, UNIT 1  
AUXILIARY SYSTEMS BRANCH

In response to NRC staff requests, Mississippi Power and Light Company, the licensee for Grand Gulf Nuclear Station, Unit 1, submitted letters dated December 28, 1983, and January 17, 1985, providing information regarding the design of the remote shutdown panel isolation. This design feature is provided in order to satisfy the post-fire alternate shutdown requirements of Appendix R to 10 CFR 50.

The design of this isolation feature provides for isolating transfer switches which will assure the operability of required control functions at the remote shutdown panel independent of potential fire damage in the control room. Indicators provided at the remote shutdown panel receive measurement signals from process measurement loops that are independent of potential fire damage in the control room. Therefore, after installation of this isolation feature, the capability to effect a plant shutdown from the remote shutdown panel will not be precluded as a consequence of fire damage in the control room. Based on our review, we conclude that the remote shutdown panel design, including isolating transfer switches, satisfies the requirements of Appendix R, Sections III.G.3 and III.L and is, therefore, acceptable.

8502260211 850215  
PDR ADOCK 05000416  
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