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SUBJECT: Suppls info in 920330 ltr re hot short vulnerabilities that could occur during first 10 minutes of 10CFR50,App R fire in control room or cable spreading room.Valve control circuitry will be modified to eliminate hot short concern.

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July 31, 1992

US Nuclear Regulatory Commission
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MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Supplemental Information
Concerning Hot Short Vulnerabilities

In our letter dated March 30, 1992, we indicated we were in the process of identifying and evaluating modifications to resolve concerns over postulated hot shorts that could occur during the first 10 minutes of a 10 CFR Part 50 Appendix R fire in the control room or cable spreading room.

Certain valves (MO-1750 Core Spray Test Valve, MO-1752 Outboard Core Spray Injection Valve, MO-1754 Inboard Core Spray Injection Valve, MO-2003 Residual Heat Removal Heat Exchanger Bypass Valve, MO-2007 Outboard Torus Discharge Valve, and MO-2009 Outboard Torus Cooling Injection/Test Valve) were found to be vulnerable to a fire induced hot short that could cause the motor operator to run, or attempt to run, while at the same time bypassing the torque and limit switches. If this were to occur, the motor operator would actuate until tripped due to thermal overload. The high stall thrust forces generated could damage the valve and hinder subsequent operation from the Alternate Shutdown System panel.

We have completed our evaluation and determined it is feasible to modify the valve control circuitry to eliminate this hot short concern for all of the valves noted above. We plan to perform these modifications during the 1993 refueling outage. In the interim, we have provided operators with procedural guidance on how to deal with the hot short concern postulated above.

Please contact us if you require additional information.

Jacqueline Gilchrist

for Thomas M. Parker
Manager
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