



Northern States Power Company

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September 2, 1983

Director
Office of Nuclear Reactor Regulation
U S Nuclear Regulatory Commission
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket Nos. 50-282 License Nos. DPR-42
50-306 DPR-60

Supplementary Information to Exemption Request for
Fire Areas 58, 59, 73 and 74

- Reference (A) Letter from D M Musolf to NRR dated June 30, 1982,
"Fire Protection Safe Shutdown Analysis and Compliance with
Section III.G. of 10CFR50, Appendix R, Including Request for
Relief."
- (B) Letter from D M Musolf to NRR dated March 11, 1983,
"Request for Relief from the Requirements of 10CFR Part 50,
Section 50.48 (b) for Fire Areas No. 58, 59, 73 and 74."
- (C) Letter from D M Musolf to NRR dated May 16, 1983,
"Clarifying Information in Support of Exemption Request for
Fire Areas 58, 59, 73 and 74."

This letter is to confirm those items as discussed between D DiIanni and J Stang of the staff and Terry Pickens of Northern States Power in their telecon on August 23, 1983.

In addition to those modifications as outlined in Reference (B) the "A" train safe shutdown cable trays bounded by coordinates 6.1/G, 6.1/H, 7.3/G and 7.3/H in Fire Area 58 and 10.7/G, 10.7/H, 11.7/G and 11.7/H in Fire Area 73 [see plant layout drawings contained in Reference (C)] will be wrapped with an approved one-hour rated material. This will insure that cables in these trays will not suffer damage from the radiative effects of a fire near unprotected MCC 1K-2 (B train) and MCC 2K-2 (B train). This wrap will also provide protection against the possible accumulation of convective hot gases from such a fire in this relatively confined location. Thus, at least one train of safe shutdown cables/equipment remains free of fire damage.

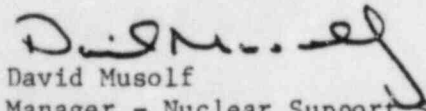
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NSP has referenced "KAOWOOL" in our previous submittals as the material to be used for providing one hour barriers. Due to the concern over heat build up inside the wrapped cable trays which could necessitate cable de-rating NSP is reviewing other materials approved for use as one hour barriers for their heat dissipation qualities. The material demonstrating the qualities which best meet the overall design conditions, including the need for heat dissipation will be utilized.

Please contact us if you have any questions related to this submittal or if we can furnish additional information related to this issue.


David Musolf
Manager - Nuclear Support Services

DMM/TAP/bd

cc: Regional Administrator-III, NRC
NRR Project Manager, NRC
NRC Resident Inspector
G Charnoff