

August 30, 1995

Mr. Roger O. Anderson, Director
Licensing and Management Issues
Northern States Power Company
414 Nicollet Mall
Minneapolis, Minnesota 55401

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION REGARDING GENERIC LETTER 92-08
FOR THE PRAIRIE ISLAND NUCLEAR GENERATING PLANT UNITS 1 & 2
*(TAC NOS. M85592 and M85593)

Dear Mr. Anderson:

By letters dated December 21, 1994, and March 29, 1995, Northern States Power Company (NSP) submitted responses to the requests for additional information (RAI) of September 23, 1994, and December 29, 1994, respectively, regarding Generic Letter 92-08, "Thermo-Lag 330-1 Fire Barriers." The staff has reviewed your responses dated December 21, 1994, and March 29, 1995, and concluded that they are acceptable. However, we need additional information regarding the fire testing of replacement fire barriers for use at Prairie Island to complete our review of GL 92-08 for Prairie Island. Enclosed is our request for additional information. The staff requests that you submit your response to the enclosed request for additional information within 45 days in order for the staff to complete its review.

If you have any questions regarding this request, please call me at (301)415-1355.

This requirement affects fewer than ten respondents and, therefore, is not subject to Office of Management and Budget review under Public Law 96-511.

Sincerely,

Original signed by

Beth A. Wetzel, Project Manager
Project Directorate III-1
Division of Reactor Projects - III/IV
Office of Nuclear Reactor Regulation

Docket Nos. 50-282 and 50-306

Enclosure: As stated

cc w/encl: See next page

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Mr. Roger O. Anderson, Director
Northern States Power Company

Prairie Island Nuclear Generating
Plant

cc:

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REQUEST FOR ADDITIONAL INFORMATION

PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNITS 1 AND 2

DARMATT FIRE BARRIER TEST PROGRAM

1. Test Report FTGR/94/0060 states that the fire test was witnessed by representatives of Commonwealth Edison Company, Transco and Darchem Engineering at the Faverdale Technology Center. The Faverdale Technology Center and Darchem Engineering are divisions of Weir Group PLC. Provide information related to the independent verification of the construction of the test assemblies and the performance of the fire and hose stream tests for qualification of fire barriers to be installed at Prairie Island.
2. Section 4.2 of the test report states that ASTM [American Society for Testing and Materials] thermocouples provided by Underwriters Laboratories were used for reference, and positioned next to the controlling thermocouples. Please provide the thermocouple temperature data, and a comparison of the temperature data recorded by both the ASTM thermocouples and the controlling thermocouples related to the ASTM E-119 standard time temperature curve.
3. The test report states that a hose stream test was performed on a "short section of 36" x 6" cable tray." Please provide information comparing the "short section" cable tray to the tray tested for temperature rise, and information regarding the hose stream performance of the 12-inch wide cable tray and the 3/4-inch diameter conduit.
4. Supplement 1 to Generic Letter 86-10, "Fire Endurance Test Acceptance Criteria For Fire Barrier Systems Used To Separate Redundant Safe Shutdown Trains Within The Same Fire Area," March 25, 1994, specifies that thermocouple placement on conduits should be opposite the test deck, on the exterior of the conduit, closest to the furnace fire source. Drawing No. 310076-DSKS of the test report, which depicts the thermocouple positions on the 3/4-inch diameter conduit, indicates that the thermocouples are located away from the fire source, on the exterior surface of the conduit, adjacent to the test desk. Please clarify the thermocouple locations on the 3/4-inch diameter conduit and identify any deviations from the staff guidance contained in Supplement 1 to Generic Letter 86-10.

ENCLOSURE