



USNRC

Northern States Power Company

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November 16, 1981

OFFICE OF SECRETARY
OPERATING & SERVICE
BRANCHDirector of Nuclear Reactor Regulation
U S Nuclear Regulatory Commission
Washington, DC 20555PRAIRIE ISLAND NUCLEAR GENERATING PLANT
Docket Nos. 50-282 License No. DPR-42
50-306 DPR-60

Request for Relief from the Requirements of 10 CFR Part 50,
Sections 50.48 (c)(2), (c)(3), and (c)(5), Schedule for
Completion of Appendix R, Section III.J, Emergency
Lighting Modifications

Appendix R to 10 CFR Part 50 became effective on February 17, 1981. Section 50.48(c) contains the schedule for compliance with the provisions of Appendix R and specifies the submittal of certain design and schedule information for NRC Staff review. A schedule exemption for submitting plans and completing modifications required by Section III.G of Appendix R was submitted by Northern States Power Company on March 13, 1981. Plans and schedules for satisfying other requirements of Appendix R were submitted on March 19, 1981. The purpose of this letter is to request an additional exemption to the schedule contained in Section 50.48 for completing modifications to meet the requirements of Appendix R, Section III.J, Emergency Lighting.

As described in our March 19, 1981 letter we have completed an evaluation of the existing AC/DC emergency lighting system at Prairie Island. This review concluded that the present system could not meet the criterion that a postulated fire in any area of the plant cannot cause the loss of lighting in areas needed for access to or for operation of safe shutdown equipment.

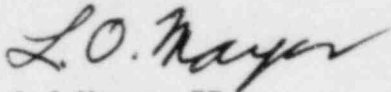
We will proceed with the purchase and installation of 8-hour battery powered lighting units to satisfy the requirements of Appendix R, Section III.J. Required locations for these units are now being finalized. A 10 to 12 week delivery schedule can be met by the manufacturer of the unit selected for installation. Taking into account a reasonable period for mounting and wiring the units following receipt, we believe all lighting units can be in place by the end of the next refueling outage of each unit (spring 1981 for Unit No. 2 and autumn 1981 for Unit No. 1).

The existing emergency lighting system, while not immune from all fire damage, is reliable and flexible. Portable lighting units are available for use by operators and fire brigade members. For these reasons, and for other reasons

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stated in our March 13, 1981 letter, we believe that a delay in the implementation of Section III.J of Appendix R will not be detrimental to public health and safety. Accordingly, we are at this time requesting the foregoing extensions of the schedule requirements specified in paragraphs 50.48(c) (2), (3), and (5) for Appendix R, Section III.J requirements. Please contact us if you have any questions related to this request or if we can furnish additional information related to this issue.



L O Mayer, PE
Manager of Nuclear Support Services

LOM/bp

cc: Secretary of the Commission (original & 2 copies)
Director, IE-III, USNR
NRC Resident Inspector
NRC NRR Project Manager
G Charnoff

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

PRAIRIE ISLAND NUCLEAR GENERATING PLANT

Docket No. 50-282
50-306

LETTER DATED NOVEMBER 16, 1981
REQUEST FOR RELIEF FROM REQUIREMENTS
OF 10 CFR PART 50, SECTIONS 50.48 (c)(2), (c)(3), and (c)(5),
Schedule for Completion of Appendix R, Section III.J, Emergency Lighting
Modifications

Northern States Power Company, a Minnesota corporation, by this letter dated November 16, 1981 hereby submits a request for relief from the requirements of 10 CFR Part 50, Section 50.48 (c)(2), (c)(3), and (c)(5).

This requests contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By

L. O. Mayer
L O Mayer

Manager of Nuclear Support Services

On this 16th day of November, 1981, before me a notary public in and for said County, personally appeared L O Mayer, Manager of Nuclear Support Services, and being first duly sworn acknowledged that he is authorized to execute this document on behalf of Northern States Power Company, that he knows the contents thereof and that to the best of his knowledge, information and belief, the statements made in it are true and that it is not interposed for delay.

Betty J. Dean

