August 17, 1988

Docket Nos. 50-282 and 50-306

Mr. D. M. Musolf, Manager
Nuclear Support Services
Northern States Power Company
414 Nicollet Mall
Minneapolis, Minnesota 55401

Dear Mr. Musolf

SUBJECT: PRAIRIE ISLAND NUCLEAR GENERATING PLANT, UNITS NOS. 1 AND 2, COMPLIANCE WITH ATWS RULE, 10 CFR 50.62 (TACS NOS. 59130/59131)

The NRC has reviewed the proposed implementation of the anticipated transient without scram (ATWS) rule (10 CFR 50.62) requirements as related to the Prairie Island Nuclear Generating Plant, Units Nos. 1 and 2. The review was based on the Northern States Power Company's submittals dated February 27, April 3, August 28, and December 1, 1987, and March 15, April 22, and May 12, 1988.

The NRC staff concludes that the design proposed for the Prairie Island Nuclear Generating Plant, Units Nos. 1 and 2, meets the requirements of 10 CFR 50.62 and therefore is acceptable. The staff's conclusion is contingent upon the successful completion of certain noted human-factors engineering studies and the satisfactory completion of the qualification of the isolation devices to which you have committed to complete before the ATWS mitigating system circuitry (AMSAC) is declared operational. The final resolution of the Technical Specifications will be covered separately as a future effort.

The NRC staff has also reviewed your proposed schedule for implementation prior to startup of Cycle 14 (November 1989) for Unit No. 1 and prior to startup of Cycle 13 (March 1989) for Unit No. 2. We find these implementation schedules for both units acceptable.

This completes our work effort under TACs 59130 and 59131, and a copy of our Safety Evaluation covering this issue is enclosed.

Sincerely,

original signed by

Dominic C. DiIanni, Project Manager
Project Directorate III-1
Division of Reactor Projects - III, IV, V
& Special Projects

Enclosure:
Safety Evaluation

cc w/enclosure:
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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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Dominic C. DiIanni

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Division of Reactor Projects - III, IV, V
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Enclosure:
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cc w/enclosure:
See next page

Mr. D. M. Musolf
Northern States Power Company

Prairie Island Nuclear Generating Plant

cc:
Gerald Charnoff, Esq.
Shaw, Pittman, Potts and Trowbridge
2300 N Street, N.W.
Washington, DC 20037

Dr. J. W. Ferman
Minnesota Pollution Control Agency
520 LaFayette Road
St. Paul, MN 55155

Mr. E. L. Watzl, Plant Manager
Prairie Island Nuclear Generating Plant
Northern States Power Company
Route 2
Welch, Minnesota 55089

Jocelyn F. Olson, Esq.
Assistant Attorney General
Environmental Protection Division
Suite 200
520 Lafayette Road
St. Paul, Minnesota 55155

U.S. Nuclear Regulatory Commission
Resident Inspector's Office
1719 Wakonade Drive East
Welch, Minnesota 55089

Regional Administrator, Region III
U.S. Nuclear Regulatory Commission
Office of Executive Director for Operations
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Mr. William Miller, Auditor
Goodhue County Courthouse
Red Wing, Minnesota 55066