

Docket Nos. 50-282
and 50-306

October 18, 1985

DLC 016

Mr. D. M. Musolf
Nuclear Support Services Department
Northern States Power Company
414 Nicollet Mall - 8th Floor
Minneapolis, Minnesota 55401

Dear Mr. Musolf:

SUBJECT: CONFORMANCE WITH REGULATORY GUIDE 1.97 REVISION 2

We have completed our review of the information that was requested by Generic Letter 82-33 dealing with the post-accident monitoring instrumentation conforming to the guidelines of Regulatory Guide 1.97 Revision 2 for the Prairie Island Nuclear Generating Plant, Unit Nos. 1 and 2. Our review covers your response to GL 82-33 transmitted by letter dated April 15, 1983 and additional information provided by letters dated January 18 and June 6, 1985.

A detailed review and evaluation of your submittals was performed by our consultant, EG&G Idaho, Inc. The evaluation is reported by EG&G in their Technical Evaluation Report (TER) entitled "Conformance to Regulatory Guide 1.97 - Prairie Island Nuclear Generating Plant, Unit Nos. 1 and 2" dated August 1985 (attached to the staff's Safety Evaluation). We have reviewed this report and concur with the conclusions that Prairie Island conforms to or that adequate justification was given for deviating from the guidance of Regulatory Guide 1.97 for each of the post-accident monitoring devices. On this basis, we conclude that the post accident monitoring devices at the Prairie Island Nuclear Generating Plant, Unit Nos. 1 and 2 are in conformance with Regulatory Guide 1.97, Revision 2 and are adequate to monitor plant conditions under post accident conditions.

Plant modifications resulting from conforming with requirements of Regulatory Guide 1.97, Revision 2 which you committed to are; (1) the installation of a power monitoring system for the pressurizer heaters, (2) replacement of the non-qualified instrumentation associated with steam wide range level indication to a fully qualified system, (3) installation of temperature sensors at the RHR heat exchanger inlet, and (4) upgrading the containment air temperature sensors and display to meet the environmental qualification pursuant to 10 CFR 50.49.

You committed to implement all of these modifications by Cycle 12 (May 1987) for Unit No. 1 and Cycle 11 (December 1986) for Unit No. 2. We find your implementation schedule for completing the modifications unacceptable because the implementation dates fall beyond the specified dates in item 3b of our Confirmatory Order issued by letter dated June 14, 1984 and revised by letter dated March 11, 1985. You are committed by item 3b to complete all

8510280443 851018
PDR ADOCK 05000282
F PDR

necessary modifications to meet the guidance of Regulatory Guide 1.97 by three months after returning to power following refueling Cycle 11 (May 1986) for Unit 1 and four months after returning to power following Cycle 10 (October 1985) for Unit 2. The Confirmatory Order does allow an extension of time for completing items provided that good cause can be shown. You are therefore requested to submit an extension of time request for the Confirmatory Order within 45 days from the date of this letter giving adequate justification for establishing good cause for these modifications that cannot be completed within the existing acceptable schedule.

We consider our evaluation of Prairie Island's conformance to Regulatory Guide 1.97 complete. A copy of our Safety Evaluation is enclosed.

Sincerely,

Edward J. Butcher, Acting Chief
Operating Reactors Branch No. 3
Division of Licensing

Enclosure:
Safety Evaluation
with attached TER

cc w/enclosure:
See next page

Distribution:	
Docket File	DDiIanni
NRC & L PDRs	ACRS 10
OELD	BGrimes
PKreutzer	Branch Files
HThompson	EButcher
EJordan	
JPartlow	

ORB#3:DL
PKreutzer
10/17/85

ORB#3:DL
DDiIanni;ef
10/17/85

ORB#3:DL
EButcher
10/17/85

Mr. D. M. Musolf
Northern States Power Company

Prairie Island Nuclear Generating
Plant

cc:
Gerald Charnoff, Esq.
Shaw, Pittman, Potts and Trowbridge
1800 M Street, NW
Washington, DC 20036

Executive Director
Minnesota Pollution Control Agency
1935 W. County Road, B2
Roseville, Minnesota 55113

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

Jocelyn F. Olson, Esq.
Special Assistant Attorney General
Minnesota Pollution Control Agency
1935 W. County Road, B2
Roseville, Minnesota 55113

U.S. Nuclear Regulatory Commission
Resident Inspector's Office
Route #2, Box 500A
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