

July 15, 1985

Docket Nos. 50-282
and 50-306

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

Dear Mr. Musolf:

SUBJECT: SAFETY PARAMETER DISPLAY SYSTEM (SPDS) GL 82-33

We have completed our review of the additional information you transmitted by letter dated April 17, 1985 related to Generic Letter (GL) 82-33 - Safety Parameter Display System (SPDS) - for the Prairie Island Nuclear Generating Plant Unit Nos. 1 and 2. The additional information was in response to our letter dated February 14, 1985 which transmitted our Safety Evaluation dealing with the review of the SPDS.

Your responses indicated that the following variables under item IIIB will be included in the Prairie Island SPDS program.

1. Hot Leg temperature
2. Steam line radiation
3. Containment Isolation
4. Containment Hydrogen Concentration

We have reviewed the description and the location of the displays of these variables in your SPDS program and find them acceptable. We expect that the addition of these variables will not impact the completion schedule specified in our confirmatory order dated June 14, 1984.

The description of the electrical input signals terminating in the remote multiplexers was also reviewed by the staff. Based on the enclosed Safety Evaluation, the fiber-optic cables are qualified isolation devices and are acceptable for interfacing the SPDS with safety systems.

We consider our evaluation of the Prairie Island SPDS complete except for a post implementation review.

Sincerely,

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

Enclosure:
Safety Evaluation

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PDR ADDCK 05000282
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cc w/enclosure:

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/s/

Edward J. Butcher, Acting Chief
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Safety Evaluation

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Mr. D. M. Musolf
Northern States Power Company

Prairie Island Nuclear Generating Plant

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