



Northern States Power Company

Monticello Nuclear Generating Plant  
2807 West Hwy 75  
Monticello, Minnesota 55362-9637

April 17, 1996

Generic Letter 96-01

US Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

MONTICELLO NUCLEAR GENERATING PLANT  
Docket No. 50-263 License No. DPR-22

Initial Response to NRC Generic Letter 96-01:  
"Testing of Safety-Related Logic Circuits"

NRC Generic Letter 96-01, "Testing of Safety-Related Logic Circuits," issued January 10, 1996, provided licensees notification of problems with testing of safety-related logic circuits. The generic letter requests licensees to perform a review of logic circuit testing for the reactor protection system, emergency diesel generator load shedding and sequencing, and engineered safety features actuation logic to ensure such testing fulfills plant technical specification requirements.

Required response item (1) of the generic letter requested an initial response within 60 days of the date of the generic letter. By letter dated February 14, 1996 the NRC staff extended the submittal date for the initial generic letter response to 30 days from the date of the industry workshop held on March 19, 1996, concerning this issue. Attachment A of this submittal provides Monticello's response to Required Response item (1) of the generic letter. This letter contains the following new NRC commitment:

1. Monticello will implement the requested actions of NRC Generic Letter 96-01. The review of logic circuit testing, as well as any required procedure modifications resulting from the review, will be completed prior to startup from the 1998 Monticello refueling outage.

Please contact Marv Engen, Sr Licensing Engineer, at (612) 295-1291 if you require further information.

William J Hill  
Pl' Manager  
Monticello Nuclear Generating Plant

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NORTHERN STATES POWER COMPANY

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c: Regional Administrator - III, NRC  
NRR Project Manager, NRC  
Sr Resident Inspector, NRC  
State of Minnesota, Attn: Kris Sanda

Attachments: Affidavit to the US Nuclear Regulatory Commission  
(A) Monticello Initial Response to NRC Generic Letter 96-01

UNITED STATES NUCLEAR REGULATORY COMMISSION

NORTHERN STATES POWER COMPANY

MONTICELLO NUCLEAR GENERATING PLANT

DOCKET NO. 50-263

INITIAL RESPONSE DATED April 17, 1996  
TO NRC GENERIC LETTER 96-01:  
"TESTING OF SAFETY-RELATED LOGIC CIRCUITS"

Northern States Power Company, a Minnesota corporation, hereby provides the required initial response to NRC Generic Letter 96-01, "Testing of Safety-Related Logic Circuits." This letter contains no restricted or other defense information.

NORTHERN STATES POWER COMPANY

By William J Hill

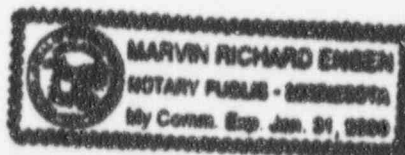
William J Hill

Plant Manager

Monticello Nuclear Generating Plant

On this 17<sup>th</sup> day of April, 1996 before me a notary public in and for said County, personally appeared William J Hill, Plant Manager, Monticello Nuclear Generating Plant, 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.

Marvin R Engen  
Marvin R Engen  
Notary Public - Minnesota  
Sherburne County  
My Commission Expires January 31, 2000



## Attachment A

### Monticello Initial Response to NRC Generic Letter 96-01

#### Requested Actions

*The NRC staff requests that all addressees take the following actions:*

- (1) Compare electrical schematic drawings and logic diagrams for the reactor protection system, EDG load shedding and sequencing, and actuation logic for the engineered safety features systems against plant surveillance test procedures to ensure that all portions of the logic circuitry, including the parallel logic, interlocks, bypasses and inhibit circuits, are adequately covered in the surveillance procedures to fulfill the TS requirements. This review should also include relay contacts, control switches, and other relevant electrical components within these systems, utilized in the logic circuits performing a safety function.*
- (2) Modify the surveillance procedures as necessary for complete testing to comply with the technical specifications. Additionally, the licensee may request an amendment to the technical specifications if relief from certain testing requirements can be justified.*

*It is requested the completion of these actions be accomplished prior to startup from the first refueling outage commencing one year after the issuance of this generic letter.*

#### Required Response

*All addressees, including those who have already completed the requested actions, are required to submit a written response to this generic letter as follows:*

- (1) Within 60 days of the date of this generic letter, a written response indicating whether or not the addressee will implement the actions requested above. If the addressee intends to implement the requested actions, submit a schedule for completing implementation. If an addressee chooses not to take the requested actions, submit a description of any proposed alternative course of action, the schedule for completing the alternative course of action (if applicable), and the safety basis for determining the acceptability of the planned alternative course of action.*

#### Monticello Response

Monticello will implement the requested actions of NRC Generic Letter 96-01. The review of logic circuit testing, as well as any required procedure modifications resulting from the review, will be completed prior to startup from the 1998 Monticello refueling outage. The Monticello 1998 refueling outage is scheduled to commence in January of 1998 and is the first refueling outage to commence one year after the date of issuance of the generic letter.

The requested review will be performed for the actuation logic for the reactor protection system, emergency diesel generator load shedding and sequencing, and for the engineered safety features systems (ESFs). The ESFs to be included in this review are based on those specified in the Monticello USAR, Section 6.1. The review will ensure that all portions of the actuation logic circuit required for performance of required safety functions are adequately addressed in the plant surveillance procedures to meet Monticello Technical Specification requirements.