

PDR

R. S. Boyd, Assistant Director for Reactor Projects, RL
THRU: D. R. Muller, Chief, Reactor Project Branch #1

SUMMARY OF MEETING WITH NORTHERN STATES POWER COMPANY,
MONTICELLO NUCLEAR GENERATING PLANT, DOCKET NO. (50-263)

The second technical meeting with Northern States Power Company (NSP) and their contractors General Electric and Bechtel, was held on April 1 and 2, 1969. An attendance list is attached.

The larger part of the two day meeting was devoted to clarifying review items of concern, and to determining what areas will require additional information from the applicant. The applicant has not submitted to date any requested information, errata, or data missing in the FSAR.

The following is a summary of the more salient items discussed at the meeting:

1. Seismic and Structural Design

The applicant was advised that the information contained in the FSAR was insufficient in these areas of design to such an extent that a meaningful evaluation could not be made. In some instances the PSAR contained more comprehensive information than the FSAR but the degree of implementation in the final design is questionable. The applicant is being asked to submit more complete information in these areas of design for evaluation by the staff and our consultants.

2. Split-Bus Design

A split-bus design is used to isolate independent electrical supply sources. Should two such systems become inadvertently linked both systems could be defeated. The PSAR states the Monticello diesel-generator sets are of split-bus design, but our investigation has revealed an automatic switching link between the sets. GE stated this link is necessary to provide redundant power to the valve operators in the LPCI logic. According to GE this automatic tie is not unique to the Monticello Unit.

OFFICE ▶						
SURNAME ▶						
DATE ▶						

3. Instrumentation and Control

Regarding the safety significance of the Rod Block Monitor and the need for a flow-following-power trip system, GE is taking the same position on Monticello as on other current projects:

- (a) The RBM is not a safety system in all its functions thus IEEE-279 is not applicable to the complete system.
- (b) A flow-biased trip setting on power is not a requirement for the BWR design.

4. Containment Leakage Testing

GE will follow the same procedures for leak testing the reactor building that were employed on the recent Oyster Creek containment. However, the Oyster Creek data will be assessed to determine the causative factors leading to the inability of the Oyster Creek test to meet Technical Specification requirements.

5. HPCI Isolation Valve

A break inboard of the outer isolation valve in the HPCI would result in an uncontrolled blowdown if the inner isolation valve failed to close. This possibility has resulted in dual power sources being supplied to the inboard valve-operator on some current BWR applications. Northern States Power feels that the dual power source does not enhance the reliability of the system to an extent that merits its inclusion in the design.

6. Site

The flood level analysis performed for Monticello was based on the 1000 year flood. We asked NSP to furnish an analysis based on the maximum probable flood. Although we do not anticipate a problem with flooding, we feel this study should be done to determine the available margin.

OFFICE ▶						
SURNAME ▶						
DATE ▶						

7. Environmental Monitoring

It appears that the environmental analyses for air particulates, well water, river water, and milk will actually be accomplished by the Minnesota Department of Health. Northern States Power's function seems to be limited only to taking the samples. NSP did not make clear to what degree independent checks would be made. We told NSP that we would need detailed information describing the division of responsibility between NSP and the Minnesota Department of Health for each item comprising the monitoring program.

8. Accelerometers

Northern States Power will provide at least one accelerometer for the Monticello site. The type(s) and location(s) are as yet undetermined.

C. J. Hale, Reactor Engineer
Reactor Project Branch #1
Division of Reactor Licensing

Enclosures:
Attendance Lists

Distribution:
Docket File *mm*
RL Reading
RPB-1 Reading
D. J. Skovholt
S. Levine
R. C. DeYoung
D. R. Muller
Branch Chiefs/RP
CO (2)
C. J. Hale
D. B. Vassallo
N. M. Blunt

OFFICE ▶	RL:RPB-1	RL:RPB-1	RL:RPB-1			
SURNAME ▶	Hale:lm <i>H</i>	<i>DM</i> Vassallo	<i>DM</i> Muller			
DATE ▶	5/2/69	5/2/69	5/6/69			

ATTENDANCE LIST

TECHNICAL MEETING - MONTICELLO NUCLEAR GENERATING PLANT

April 1, 1969

Northern States Power Company

M. H. Clarity
R. J. Jensen
C. J. Ross
G. H. Jacobson
E. C. Ward
C. E. Larson
G. Yanagita
A. W. McDermid
W. A. Shauls
L. R. Eliason

AEC/DRL

D. R. Muller
D. B. Vassallo
i. Spickler*
C. J. Hale
T. A. Ippolito*
M. J. Weiterhan*
C. J. DeBevec*
A. L. Gluckmann*

General Electric

G. L. Davis
R. B. Gile
L. W. Wolf
J. W. Lingafelter

Bechtel Corporation

J. V. Carlson

*Part Time

OFFICE ▶						
SURNAME ▶						
DATE ▶						

ATTENDANCE LIST

TECHNICAL MEETING - MONTICELLO NUCLEAR GENERATING PLANT

April 2, 1969

Northern States Power Company

R. J. Jensen
C. J. Ross
L. R. Eliason
G. H. Jacobson
W. A. Shamba
E. C. Ward
M. H. Clarity
C. E. Larson

AEC/DRL

D. R. Muller
D. E. Vassallo
C. J. Hale
R. J. Mattson*
C. J. DeBevec*
H. Specter*
L. Porse*

General Electric

L. W. Wolf
J. W. Lingafeller
G. L. Davis

*Part Time

OFFICE ▶						
SURNAME ▶						
DATE ▶						