

MEETING SUMMARY DISTRIBUTION

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NRC PDR (6)
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ORB#2 Rdg.
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E. C. Rusche
E. G. Case
V. Stello
K. R. Goller
D. Eisenhut
T. J. Carter
A. Schwencer
G. Lear
R. Reid
W. Butler
B. Grimes
R. Baer
L. Shao
Project Manager - MGrotenhuis, D. Neighbors, T. Wambach, P. Wagner
Attorney, OELD - J. Scinto, A.
OI&E (3)
R. Diggs
NRC Participants (Major)
R. Fraley, ACRS (16)
TAbernathy, DTIE
JB chanan
Licensees
R. Matson
D. Ross
Z. Rosztoczy
N. Lauben
G. Holahan
C. Berlinger
K. Parzewski
H. Ornstein



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Feb. 2, 1978

Docket Nos. 50-244, 50-266, 50-301
50-305, 50-282, 50-306

MEMORANDUM FOR: Don K. Davis, Acting Chief, Operating Reactors Branch#2, DOR

FROM: Marshall Grotenhuis, Project Manager, Operating Reactors Branch #2, DOR

SUBJECT: SUMMARY OF THE MEETING WITH NORTHERN STATES POWE COMPANY, WISCONSIN ELECTRIC POWER COMPANY, WISCONSIN PUBLIC SERVICE CORPORATION, ROCHESTER GAS & ELECTRIC COMPANY ON DECEMBER 28, 1977.

On December 28, 1977 representatives of the above licensees and the Westinghouse Electric Corp. met with the NRC staff. The purpose of the meeting was to discuss the requirements of the letter sent on December 16, 1977 to the four utilities regarding the ECCS model for Westinghouse designed two loop reactors. Enclosure 1 lists the attendees of the meeting.

The December 16, 1977 letter required that the licensees develop interim bases for continued safe operation of the facilities within the next 30 days and a permanent resolution of the problem identified in the staff safety evaluation reports along with a schedule for its implementation not later than 60 days after the 30 day period. The basis for the requirements was the staff evaluation of the two-loop ECCS model which concluded that the model does not appropriately account for ECCS water injected above the core.

The meeting was opened by Mr. R. Newton (WEPCO), Owners Group Spokesman, who indicated that the utilities needed more information as to the direction in which they were to proceed. He also needed more information as to how the NRC analysed the effects of upper plenum injection (UPI). The licensees requested a discussion of conservatism and their application in the NRC analysis.

The following areas were discussed by Z. Rosztoczy:

1. Sensitivity of the NRC calculations to various input assumptions.
2. German tests at KWU regarding the distribution of water in the upper plenum.
3. Potential 30 day responses:
 - a. Use figure 25 of NRC SE to develop conservative penalties
 - b. Develop penalties based on independent licensee approach
 - c. Perform demonstration tests of UPI distribution and apply the resultant data to the UPI model.

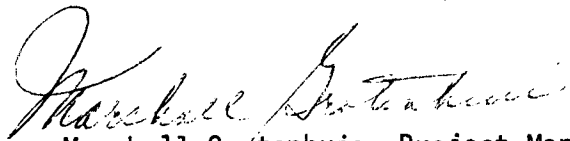
ECCS
GP

d. Change to Appendix K model or plant operation.

Potential Long term resolutions discussed were

1. Development of a new ECCS model to account for UPI effects.
2. Repipe the plant to match the current model.
3. Show that the present ECCS model is conservative.

The Owner Group left a list of detailed technical questions regarding the staff evaluation which were to be discussed in a conference call on January 3, 1978.*


Marshall Grotenhuis, Project Manager
Operating Reactors Branch #2,
Division of Operating Reactors

Enclosure:
Attendance List

cc: See attached page

* The conference call was made on January 3, 1978 with C. Berlinger, K. Parczewski, G. Holahan, D. Davis, MGrotenhuis, and all questions were answered.

ATTENDANCE LIST

December 28, 1977

NRC

E. Reeves
A. Schwencer
Z. Rosztoczy
D. Neighbors
R. Baer
K. Goller
J. Reece

Northern States Power

P. Jones
L. Taylor
R. Churchill

Wisconsin Public Service
Wisconsin States Power Co.

M. Stern
R. Newton

Rochester Gas & Electric

R. Mecredy
P. Wilkens

W NSD & PWR

H. Gutzman
H. Tonic
V. Esposito
R. Muench

EXXON NUCLEAR CO

S. Jansen
K. Galbraith
G. Owsley

Intermountain Technologies Inc.

R. Jenson

LeBoeuf, Lamb, Leiby, & McRae

E. Cohen