

MEETING SUMMARY DISTRIBUTION

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**ORB Branch Chiefs (5)
*ORB Project Manager - MConner
**ORB Licensing Assistant -PKreutzer
**OELD
**AEOD
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**RFraley, ACRS-16
**Program Support Branch
**Meeting Summary File
NRC Participants
*SDiab
*Larry Kopp
*H. Richings
*W. L. Brooks
*Daniel Fieno
*MDunenfeld
*DPowers
*Chang Li
*Joseph T. DiMarzo
*Harry Balukjian

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

June 16, 1980

Docket No. 50-336

LICENSEE: Northeast Nuclear Energy Company (NNECO)
FACILITY: Millstone Unit No. 2
SUBJECT: SUMMARY OF MEETING HELD ON JUNE 4, 1980 TO DISCUSS THE CYCLE 4
RELOAD OF MILLSTONE 2 WITH WESTINGHOUSE FUEL

The meeting had been requested by the NRC staff to discuss: (1) core power distribution; (2) setpoint methodology; (3) uncertainty analysis; and, (4) proposed Technical Specification (TS) changes for the Cycle 4 reload with Westinghouse (W) designed fuel. The meeting was held at the NRC's offices in Bethesda, Maryland. A list of attendees is given in Enclosure 1.

After introductions and opening remarks by the NRC (Conner and Fieno) in which the recent reorganization of NRR was explained and the type of review discussed, NNECO (Kacich) passed out the Enclosure 2 agenda.

W (Alsop) presented the power distribution methodology. The viewgraphs used (Enclosure 3) are considered Proprietary Class 2 by W. The analysis shows that the Cycle 3 (CE) peaking factors are within 0.5% of the Cycle 4 (W) values and are less than TS limits. W has followed the Millstone 2 core since Cycle 1 so they have the same data as if it was a W unit.

They plan to use the same rod insertion limits, have assumed all accidents originated from expected conditions, and have developed 90,000 axial power shapes for use in the axial power shape methodology.

W (Miranda) described the setpoint calculations (see Proprietary Class 2 Enclosure 4). For DNB determination, they will be using the W-3 correlation with a 1.3 limit instead of the present CE-1 correlation with a 1.19 value.

The nuclear peaking factor uncertainties analysis was presented by Mr. Alsop of W (see Proprietary Class 2 Enclosure 5). He pointed out that Millstone 2 must be derated to 89% power level when the plant computer is out of service. The uncertainty analysis was presented in the addendum to the basis safety report.

The NRC (Fieno) indicated an interest in comparison of INCA differences between CE and W.

A handwritten signature in cursive script that reads "E. L. Conner".

E. L. Conner, Project Manager
Operating Reactors Branch #3
Division of Licensing

Enclosures: As Stated

NNECO & W MEETING ON MILLSTONE 2, CYCLE 4 RELOAD

June 4, 1980

NRC

Monte Conner

S. Diab

Larry Kopp

H. Richings

W. L. Brooks

Daniel Fieno

M. Dunenfeld

D. Powers

Chang Li

Joseph T. DiMarzo

Harry Balukjian

NNECO

Joe Parillo

Mike Cass

Byron Maddox

W

B. H. Alsop

Bob Steither

Gary Jacob

MILLSTONE UNIT NO. 2

MEETING AGENDA

NNECO/W/NRC MEETING, 1980 REFUELING

JUNE 4, 1980

- | | |
|-----------------------------|----------------------------|
| I. AGENDA/INTRODUCTION | MIKE CASS |
| II. POWER DISTRIBUTIONS | BRIAN ALSOP |
| III. SET POINTS | SAM MIRANDA
BRIAN ALSOP |
| IV. UNCERTAINTY ANALYSIS | BRIAN ALSOP |
| V. TECHNICAL SPECIFICATIONS | MIKE CASS |
| VI. SUMMARY | MIKE CASS |