

January 10, 2001

MEMORANDUM TO: Stuart A. Richards, Director
Project Directorate IV & Decommissioning
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: Leonard N. Olshan, Project Manager, Section 1
Project Directorate II-1 */RA/*
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF DECEMBER 15, 2000, MEETING WITH EPRI TO
DISCUSS MODULAR ACCIDENT ANALYSIS PROGRAM (MAAP)
COMPUTER CODE

On December 15, 2000, the Nuclear Regulatory Commission (NRC) and the Electric Power Research Institute (EPRI) met in Rockville, Maryland to discuss the MAAP computer code. Attachment 1 is a list of the meeting attendees. The handouts provided during the meeting are available under ADAMS accession number ML003778126.

The MAAP code is a general purpose analysis methodology developed by EPRI to model reactor thermal-hydraulics and severe accident response. It has been used in several licensing applications in the past which have resulted in a number of unresolved issues. The EPRI consultants provided the staff with the results of a comparison of a steam line break/steam generator tube rupture analysis which demonstrated how the different codes treated certain phenomena and why that treatment provided different results. This comparison was useful to the staff's understanding of the MAAP code and its potential applications.

At the NRC staff's request, EPRI and the Nuclear Energy Institute agreed to consider a future review of the MAAP code by the staff based on the submittal of two example assessments, a steam line break/steam generator tube rupture case and the Three Mile Island 2 accident scenario (the benchmark case for the MAAP code). EPRI also agreed to provide the staff with the MAAP user guidance to aid in the staff's understanding of the code.

Project No. 669

Attachment: Attendance List

cc w/att: See next page

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Electric Power Research Institute

Project No. 669

cc:

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MEETING WITH EPRI TO DISCUSS MAAP COMPUTER CODE

DECEMBER 15, 2000

MEETING ATTENDEES

NRC

P. Boehnert
R. Caruso
A. Drozd
J. Flack
G. Kelly
R. Landry
S. Long
L. Olshan
Y. Orechwa
J. Schaperow
C. Tinkler
E. Throm
J. Wermiel

EPRI

J. Haugh
M. Merko
G. Vine

Other

B. Bradley, Nuclear Energy Institute
D. Modeen, Nuclear Energy Institute
R. Henry, Fauske & Associates
M. Kenon, Crease Inc.
B. Schlenger-Faber, ERIN Engineering and Research
R. Hayes, Southern Nuclear Operating Company