MAR 1 1988

50-282

MEMORANDUM FOR: Steven A. Varga, Director
Division of Reactor Projects I/II
Office of Nuclear Reactor Regulation

THRU: Martin Virgilio, Director
Project Directorate III-1
Division of Reactor Projects - III, IV, V
& Special Projects

Wayne Hodges, Chief
Reactor Systems Branch

FROM: Dominic C. Di Ianni, Project Manager
Project Directorate III-1
Division of Reactor Projects - III, IV, V
& Special Projects

SUBJECT: MPA D05, UPPER PLENUM INJECTION STATUS SUMMARY REPORT

1. Enclosure 1 is a corrected copy of the Lead PM Summary Report. The corrections indicated have been communicated to both the plant specific project manager(s) and plant specific reviewer(s) for proper updating of the data base tracking system.

2. Recommendations concerning the MPA generic priority (i.e., should it change and why) and should the MPA continue: (A "none" in this section means the generic priority is acceptable and the MPA should continue as is.) None

3. Item for Senior Management Attention (Only list items which truly require senior management attention to resolve.) None

Original signed by

Dominic C. Di Ianni, Project Manager
Project Directorate III-1
Division of Reactor Projects - III, IV, V
& Special Projects

cc: Joe Gitter
David Wagner
Carl Stahl

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SUMMARY REPORT

MPA D05 Upper Plenum Injection for Westinghouse two-loop plants February 1, 1988

Westinghouse (W) two-loop plants have a low pressure safety injection system (LPSI) which injects water directly into the upper plenum of the reactor vessel (UPI). However, the approved ECCS evaluation models for two-loop plants are based on an ECCS system in which safety injection flow is injected directly into the cold leg of the reactor system. Because of the difference in the water injection between ECCS evaluation models and the actual UPI in the reactor vessels, the requirement of 10 CFR Appendix K Section II.5 may not be met. Six plants owned by four utilities are affected. These plants are presently operating on the basis of a number of interim approaches for determining allowable peaking factors. The Westinghouse Owners Group consisting of Northern States Power Company and Wisconsin Electric Company submitted a best estimate ECCS evaluation model using the SECY 83-472 approach to analyze the UPI for Prairie Island Nuclear Generation Plant and Point Beach Nuclear Generating station. The other plants (i.e. RE Ginna and Kewaunee) will be analyzed with a best estimate ECCS evaluation model developed by the Combustion Engineering (CE) Owners Group (Rochester Gas Electric and Wisconsin Public Service Corporation).

Status

(A) Prairie Island/Point Beach
The staff review for the generic model is scheduled for completion on (both Prairie Island & Point Beach) August 15, 1988 and plant specific analyses should be completed on January 15, 1989.

(B) RE Ginna/Kewaunee
A preliminary review of the CE evaluation model by the staff indicates the model is deficient in several areas that will require further work. Because of these anomalies, a realistic schedule cannot be determined without further negotiation with CE Owners Group.

There is a single reviewer assigned for the Westinghouse and CE evaluation models in which effort is being devoted in series. Currently, the major effort is beir placed on the review of the Westinghouse evaluation model.