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August 31, 1979
L-79-242

Mr. James P. O'Reilly, Director, Region II
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

Re: RII:JPO
50-250, 50-251
IE Bulletin 79-06C

We have reviewed the subject Bulletin and a response is attached.

Very truly yours,



Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/MAS/cph

Attachment

cc: Director, Office of Nuclear Reactor Regulation
Director, Office of Inspection and Enforcement
Robert Lowenstein, Esquire

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ATTACHMENT

Re: RII:JPO
50-250, 50-251
IE Bulletin 79-06C

SHORT TERM ACTIONSItem 1

The actions required by Item 1 were taken at Turkey Point Units 3 and 4 effective upon receipt of the Bulletin.

Item 2

A series of LOCA analyses for a range of break sizes and a range of time lapses between break initiation and pump trip has been performed by the Westinghouse Owners Group. The analyses are applicable to 2, 3, and 4 loop plants. A report summarizing the results of the analyses of delayed Reactor Coolant Pump trip during small loss of coolant accidents for Westinghouse NSSS will be submitted to Mr. D. F. Ross by Mr. Cordell Reed on about August 31, 1979. In the report, maximum PCT's for each break size considered and pump shutoff times have been provided. The report concludes that if the reactor coolant pumps are tripped prior to the reactor coolant system pressure reaching 1250 psia, the resulting peak clad temperatures are less than or equal to those reported in the FSAR. In addition, it is shown that there is a finite range of break sizes and RCP trip times, in all cases 10 minutes or later, which will result in PCT's in excess of 2200°F as calculated with conservative Appendix K models. The operator, in any event, would have at least 10 minutes to trip the RCP's following a small break LOCA, especially in light of the conservatism in the calculations. Thus, manual action rather than automatic action is appropriate.

Item 3

The Westinghouse Owners Group has developed guidelines which are under review by the NRC. The analyses provided as the response to item 2 are consistent with these guidelines. No changes to the guidelines are planned, pending resolution of this issue between the NRC and the Westinghouse Owners Group.

Item 4

The Owners Group effort to revise emergency procedures covers many issues, including operation of the Reactor Coolant Pumps. Special instructions regarding RCP operation, which have been issued at Turkey Point, are sufficient as an interim measure, and no immediate need exists for changing our emergency procedures to include the tripping of the Reactor Coolant Pumps. The expected schedule for revising the LOCA, steamline break, and steam generator tube rupture emergency procedures is the following:

Mid-October: Guidelines which have been reviewed by the NRC will be provided to each utility. Appropriate utility personnel associated with writing procedures will meet with the Owners Group Subcommittee on Procedures and Westinghouse to provide the background for revising their emergency procedures.

1 to 2 months
from Mid-
October: Plant specific procedures will be revised.

3 to 4 months
from Mid-
October: Revised procedures will be implemented and operators will be trained.

Item 5

Analyses related to inadequate core cooling, and definition of conditions under which a restart of the RCP's should be attempted will be performed. Resolution of the requirements for the analyses and an acceptable schedule for providing the analyses, and guidelines and procedures resulting from the analyses, will be arrived at between the Westinghouse Owners Group and the NRC staff.

LONG TERM ACTION

Item 1

As discussed in our response to Short-Term Item 2, we do not believe that automatic tripping of the RCP's is a required function based on the analyses that have been performed and the guidelines that have been developed for manual RCP tripping. We propose that this item be discussed with the NRC staff following their review of the Owners Group submittal.

