



NS-EPR-2746

Westinghouse
Electric Corporation

Water Reactor
Divisions

Nuclear Technology Division

Box 355
Pittsburgh Pennsylvania 15230

(412) 374-4868

April 12, 1983

Dr. Cecii O. Thomas, Chief
Standardization & Special Projects Branch
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Draft Answers to NRC Questions on "Supplemental Information to the Draft of WCAP-10079(P)" and WCAP-10079(P)

Dear Dr. Thomas:

Reference: Letter to C. O. Thomas (NRC) from E. P. Rahe (W) dated December 22, 1982

Enclosed are the following items which were requested from Westinghouse by the NRC and Argonne National Laboratory (ANL) at the meeting of February 28, 1983 on the new small break evaluation model to comply with NUREG 0737, Section II.K.3.30:

- o Seven copies of the draft responses to questions on WCAP-10079 transmitted from ANL to the NRC on February 16, 1983
- o One copy of WCAP-8200, Rev. 1
- o One copy of WCAP-8301
- o One copy of WCAP-8302
- o One copy of WCAP-8821
- o One copy of additional information requested as input to the ANL audit calculation
- o A table describing the differences between the Westinghouse and ANL small break modeling assumptions noted from our review of the ANL draft report, "Sensitivity of SBLOCA Computations to Steam Generator Nodalization Selection."

The draft responses are submitted to expedite the report review. Final responses will be submitted following meetings with your staff. The WCAP's were previously released to the NRC but legible copies were requested by ANL.

I will take this opportunity to inform you of the schedule that Westinghouse is working to on the small break model development and what is needed from the staff to support that schedule. It is our understanding that the technical evaluation report (TER) of the NOTRUMP small break evaluation model will be completed

8304180548 830412
PDR TOPRP EMVWEST
C PDR

Dave Moran - 1 Responses
 Jack Guttman - 2 5 Responses
 Reg File - 1 Set WCAP's
 11- Response to NRC Questions
 Dist Dave Moran

April 12, 1983

by October 1, 1983. The NRC SER will follow the TER by 60 days. Westinghouse plans to perform generic small break LOCA studies to establish what is required as a part of license applications. To allow the staff the benefit of these studies during their writing of the SER, these studies should be completed by October 1, 1983. These studies are expensive and time consuming by nature and as a result, we will not begin these analyses until we have a high degree of confidence that the model we use is the model the staff will approve. We would like to begin these studies June 1, 1983. A timely review of our responses to your questions is thus imperative.

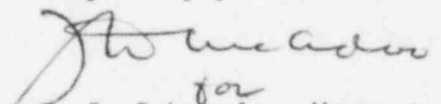
The application of NOTRUMP to Westinghouse reloads of Combustion Engineering design nuclear steam supply systems represents another form of generic model application study that requires a high degree of confidence that the NOTRUMP code is close to what will ultimately be approved. The reference indicated the report describing application of NOTRUMP to Combustion Engineering design systems would be submitted by June 15, 1983. Since the level of uncertainty is still high on the final NOTRUMP configuration, we believe it would be unwise to initiate this work at the present time. The report describing the new small break model applicable to Westinghouse reloads of Combustion Engineering design nuclear steam supply systems will be submitted by December 31, 1983.

If you have any questions about these draft responses, please contact Dr. F. F. Cadek at 412-374-4720 or Mr. B. A. McIntyre at 412-374-5506.

The subject material is submitted for review towards potential application on dockets and is to be treated as proprietary information of Westinghouse Electric Corporation. The information will be separately resubmitted in whole in conformance with the requirements of 10CFR2.790 when specific licensing application to docket is intended.

Correspondence with respect to proprietary aspects of this submittal should reference AW-83-27 and should be addressed to R. A. Wiesemann, Manager, Regulatory and Legislative Affairs, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania 15230.

Very truly yours,


E. P. Rahe, Jr., Manager
Nuclear Safety Department

lmj

Attachments

cc: J. Guttman, NRC-RSB
N. Lauben, NRC-RSB
B. Sheron, NRC-RSB