



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

January 3, 1996

52-003

APPLICANT: Westinghouse Electric Corporation  
PROJECT: AP600  
SUBJECT: SUMMARY OF MEETING TO DISCUSS APPLICATION OF WCOBRA/TRAC LONG TERM COOLING ANALYSIS

The Nuclear Regulatory Commission (NRC) staff and representatives of Westinghouse Electric Corporation held a meeting in the Westinghouse office in Rockville, Maryland, on December 18, 1995. The purpose of the meeting was to discuss the WCOBRA/TRAC-Oregon State University long term cooling preliminary validation report as it relates to the AP600 design. Attachment 1 is the list of the meeting attendees. The discussion items for the meeting were outlined in a letter dated December 15, 1995.

Highlights of the discussion are summarized as follows:

Closure of AP600 scaling issues:

The NRC staff and Westinghouse discussed possible approaches to address specific technical areas concerning Westinghouse's scaling analysis. The NRC recommended that, for further guidance, Westinghouse look at the transcripts from a meeting held by the Advisory Committee on Reactor Safeguards' (ACRS) thermal hydraulic subcommittee on November 29, 1995. The ACRS meeting discussed General Electric's test and analysis program related to the design for the Simplified Boiling Water Reactor. The NRC staff also recommended that Westinghouse review the Idaho National Engineering Laboratory (INEL) report on the integrated analysis of the test data compiled by INEL and Westinghouse related to one inch small break loss of coolant accidents. The NRC staff was not sure when the INEL report would be available for Westinghouse's review.

Westinghouse suggested that after looking at these reports, it would submit an "outline" on its proposed resolution of the issue, before it answered the specific Request for Additional Information (RAI). The staff agreed that it would review this outline and provide feedback to Westinghouse before the specific RAI was answered.

Long Term Cooling discussion issues:

Westinghouse gave an overview on how it uses WCOBRA/TRAC for long term cooling analysis. During this overview, Westinghouse explained its methodology for determining initial conditions for the code. The NRC staff and Westinghouse then discussed the staff's concerns to ensure that Westinghouse understood the issues. The high priority items for Westinghouse to address were identified. In some cases, it was agreed that the question should be modified for clarification. In other cases, it was agreed that a question could be deleted because of information presented by Westinghouse during the meeting. The NRC

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staff will compile the results of this discussion and issue them as RAIs for Westinghouse to answer. The NRC staff will try to issue these RAIs prior to a meeting that will be scheduled for the week of January 22, 1996, to discuss the Passive Residual Heat Removal system.

At the end of the meeting Westinghouse discussed the WCOBRA/TRAC final validation report tests that it would analyze and the reasons it felt these tests should be analyzed. These tests included; SB01 (two inch break), SB12 (submerged large break), SB10 (large elevated break), and SB23. The NRC staff indicated that these tests appeared to be appropriate, at this time, to support the validation report.

original signed by:

Joseph M. Sebrosky, Project Manager  
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Office of Nuclear Reactor Regulation

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Attachments: As Stated

cc w/attachments:  
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Westinghouse Electric Corporation

Docket No. 52-003

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WESTINGHOUSE/NRC AP600  
MEETING ATTENDEES  
DECEMBER 18, 1995

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LAMBROS LOIS	NRC/DSSA/SRXB
DONALD MCPHERSON (PART TIME)	NRC/DSSA
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JOE SEBROSKY	NRC/DRPM/PDST