

July 12, 2000

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

FROM: Steven D. Bloom, Project Manager, Section 2  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

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SUBJECT: SUMMARY OF MAY 18, 2000 MEETING WITH THE NRC AND  
WESTINGHOUSE OWNERS GROUP TO DISCUSS THEIR PROGRAM  
FOR REDEFINING THE LARGE BREAK LOSS-OF-COOLANT  
ACCIDENT LICENSING BASIS CONSISTENT WITH THE  
NRC/INDUSTRY PLANS TO RISK-INFORM PART 50, OPTION 3

On May 18, 2000, representatives of the Westinghouse Owners Group (WOG) and other interested stakeholders met with the NRC staff to discuss the status of the staff's preliminary efforts in risk-informing the technical requirements of 10 CFR 50.46 and other regulatory requirements for design basis large break loss-of-coolant accidents (LOCAs), and to discuss the WOG program for redefining the large break LOCA licensing basis. This meeting represents a follow-up to the March 17, 2000, meeting between the WOG and the NRC on the same topic. Attendees of the meeting are listed in Attachment 1. Copies of the viewgraphs used during the meeting are available under ADAMS accession number ML003718764.

The NRC presentation included a discussion of the general approach being taken by the staff to risk-inform the technical requirements of 10 CFR Part 50 (i.e., Option 3), discussion of the current status of risk-informing 10 CFR 50.46, and a brief discussion of the current status of the staff's evaluation of possible revisions to the required features of 10 CFR Part 50 Appendix K. The discussion on general approach focused on the selection of the regulation to be risk-informed, development of risk-informed options using two different methods, and evaluation of the options. The two methods for developing risk-informed options included: (1) revising the current requirements, and (2) developing alternative requirements based on the defined objective of the regulation.

The NRC discussion of the current status of the effort to risk-inform 10 CFR 50.46 and other regulatory requirements for design basis large break LOCAs (LBLOCAs) focused on the identification of existing LBLOCA requirements, relevant LBLOCA history and data, relevant leak before break (LBB) history, and identification of some preliminary thoughts on ways to risk-inform the existing LBLOCA requirements.

The NRC discussion on evaluation of possible revisions to the required features of 10 CFR Part 50 Appendix K focused on the process for evaluating the effect of allowing more realistic models for decay heat and metal water reaction in Appendix K analyses. The NRC has chosen to evaluate the 1979 ANS decay heat standard and the Cathcart-Pawel metal water

reaction model, since these are referenced as acceptable models in Regulatory Guide 1.157 (Best Estimate Calculations of ECCS Performance, 1989).

Subsequent to the NRC presentation, Mr. Bob Bryan, Vice Chairman of the WOG, and Mr. Wayne Harrison, Chairman of the WOG Licensing Subcommittee, gave a presentation on the WOG LBLOCA redefinition program. The WOG presentation focused on an overview of the LBLOCA redefinition program, the decision-making process, evaluation of implementation options, and a summary of safety and economic benefits. The WOG presentation ended with a discussion of future activities, most notably the presentation of the program to the WOG utilities during the June 2000 general session.

The meeting concluded with a discussion of the staff's schedule for risk-informing 10 CFR 50.46 and future activities. The staff is anticipating making presentations to both the Advisory Committee on Reactor Safeguards (ACRS) Reliability and Probabilistic Risk Assessment (PRA) Subcommittee and the ACRS full committee sometime in the September 2000 to November 2000 time-frame. Staff recommendations for risk-informing 10 CFR 50.46 are due to the Commission by the end of December 2000. The WOG indicated that they would like to schedule another public meeting later in the summer, and that this meeting should focus on LBB issues.

Project No. 694

Attachment: Attendance List

cc w/att:

Mr. H. A. Sepp, Manager  
Regulatory and Licensing Engineering  
Westinghouse Electric Company  
P.O. Box 355  
Pittsburgh, PA 15230-0355

Mr. Andrew Drake, Project Manager  
Westinghouse Owners Group  
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MEETING WITH WESTINGHOUSE OWNERS GROUP

MEETING ATTENDEES

REDEFINING THE LARGE BREAK LOSS-OF-COOLANT ACCIDENT

LICENSING BASIS CONSISTENT WITH RISK-INFORM PART 50, OPTION 3

MAY 18, 2000

<u>NAME</u>	<u>AFFILIATION</u>
S. Bloom	NRC
M. Snodderly	NRC
M. Rubin	NRC
N. Lauben	NRC
A. Notafrancesco	NRC
A. Kuritzky	NRC
H. Scott	NRC
M. Cheek	NRC
L. Lancaster	NRC
P. Boehnert	NRC
M. Drouin	NRC
J. Lane	NRC
B. Palla	NRC
J. Donoghue	NRC
D. Bessette	NRC
E. Haskin	ERI Consulting
Z. Rosztoczy	Zeetech (NRC consultant)
B. Bryan	WOG
W. Harrison	WOG
K. Jacobs	WOG/NYPA
D. Stillwell	STPNOC
L. Ward	Southern Nuclear
T. Herrmann	AmerenUE
K. Vavrek	Westinghouse
J. Andrachek	Westinghouse
B. Osterrieder	Westinghouse
R. Schneider	ABB/CE
B. Dunn	B&WOG/FTI
K. Sedney	BWROG
A. Heymer	NEI
A. Camp	Sandia
V. Mubayi	Brookhaven Lab
T. Pratt	Brookhaven Lab
J. Lehner	Brookhaven Lab
D. Stellfox	McGraw - Hill
C. Willbanks	NUS Info Services