

September 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 */RA/*
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MEETING HELD ON JULY 11, 2000, WITH
WESTINGHOUSE OWNERS GROUP TO DISCUSS THE
WOG'S 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 July 11, 2000, representatives of the Westinghouse Owners Group (WOG) and other interested stakeholders met with the NRC staff to discuss various aspects of the WOG large break loss-of-coolant accident (LBLOCA) redefinition program. This meeting was a follow-up to previous staff meetings with the WOG on their LBLOCA redefinition program and the staff's efforts to risk-inform the technical requirements of 10 CFR 50.46. The attachment contains the list of meeting attendees. Copies of the slides used during the meeting are available under ADAMS accession number ML003747306.

The WOG provided a brief overview of its LBLOCA redefinition program, and then described the current status of the four main tasks initiated (i.e., leak before break data collection and grouping, calculation of LBLOCA initiating event frequency, draft rulemaking and implementation scope). The technical discussion at the meeting focused principally on the WOG's proposed use of leak before break (LBB) arguments to arrive at a more realistic break size for the design basis LOCA. LBB analyses approved by the staff have been used to eliminate consideration of dynamic effects of pipe breaks per General Design Criterion 4. The WOG would like to extend LBB applications beyond just dynamic effects, using the same LBB analysis methodology (NUREG-1016, Vol. 3). The WOG indicated that their current goal was to justify LBB for 6-inch and larger lines, since approved small break LOCA analyses exist for 6-inch and smaller line breaks. Generally, the staff does not see a problem with approval of LBB for pipes 8 inches and above for the currently approved application (i.e., dynamic effects). However, for smaller pipes, LBB approval is considered more difficult to justify. Also, if LBB were to be used for other applications, then additional mechanisms would have to be considered which were not considered in the previous LBB analyses performed based on NUREG-1061.

There is an ongoing staff effort to develop a new regulatory guide based on a three-tier approach to use of LBB. This regulatory guide, which is based on more current research, will

be an improvement over NUREG-1061. It is currently anticipated that the technical work associated with this effort will be finished in 2001, though the actual regulatory guide will probably not be complete until 2003.

At the conclusion of the meeting, the WOG indicated a desire to meet with the staff again in the November 2000 time-frame, to discuss advancements made in their LBLOCA redefinition program. A tentative meeting date has not yet been set.

Project No. 694

Attachment: List of Attendees

cc w/att: Mr. H. A. Sepp, Manager
Regulatory and Licensing Engineering
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Pittsburgh, PA 15230-0355

Mr. Andrew Drake, Project Manager
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LIST OF MEETING ATTENDEES

MEETING WITH WESTINGHOUSE OWNERS GROUP

REDEFINING THE LARGE BREAK LOSS-OF-COOLANT ACCIDENT

LICENSING BASIS TO RISK-INFORM PART 50, OPTION 3

JULY 11, 2000

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K. Jacobs	WOG/NYPA
G. Eckholt	WOG/NSP
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