

May 28, 2002

MEMORANDUM TO: Cornelius F. Holden, Acting Director
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: Girija S. Shukla, Project Manager, Section 2
Project Directorate IV /RA/
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MEETING HELD ON APRIL 24, 2002, WITH
WESTINGHOUSE ELECTRIC COMPANY REGARDING TOPICAL
REPORT WCAP-15844, "MAAP5 PRESSURIZED WATER REACTOR
LARGE DRY CONTAINMENT MODEL"

On April 24, 2002, representatives of Westinghouse Electric Company met with the NRC Staff to make a presentation on Topical Report WCAP-15844, "MAAP5 Pressurized Water Reactor Large Dry Containment Model." Representatives of FirstEnergy Nuclear Operating Company (FENOC) (the licensee for Beaver Valley) also attended the meeting.

The meeting started with Westinghouse giving an overview of the MAAP model history, MAAP5 for pressurized water reactor (PWR) containment, MAAP5 modeling for momentum driven (induced) flow, MAAP5 model for condensation heat transfer, and MAAP5 model for water entrainment. An overview of the MAAP5 code's multiple benchmarks was also provided by Westinghouse. The meeting continued with a discussion of the experimental benchmarks used to test the realistic containment model and representation of uncertainties. Westinghouse further discussed installation of the Electric Power Research Institute (EPRI) MAAP5 model for PWR large dry containment. Westinghouse also delivered a beta version of the MAAP5 computer code to the staff.

FENOC is planning to use MAAP5 for the Beaver Valley plant. The staff requested that the Beaver Valley MAAP5 parameter file be provided to the NRC. The license amendment request to be submitted by FENOC will include an electronic copy of the Beaver Valley parameter file. The license amendment request must also address the proprietary information in either the submittal or in the parameter file.

At the conclusion of the meeting, the staff expressed their appreciation to Westinghouse for the presentation on the MAAP5 model.

C. Holden

-2-

An attendance list is provided in the attachment. The slides used during the meeting are available in ADAMS under accession number ML021330171.

Project No. 700

Attachment: Meeting Attendees

cc w/attachment:

Mr. Gordon Bischoff, Project Manager
Westinghouse Owners Group
Westinghouse Electric Company
Mail Stop ECE 5-16
P.O. Box 355
Pittsburgh, PA 15230-0355

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

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DATE	5/24/02	5/24/02	5/28/02

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MEETING ATTENDEES

MEETING WITH WESTINGHOUSE ELECTRIC COMPANY

REGARDING WCAP-15844, "MAAP5 PRESSURIZED WATER REACTOR
LARGE DRY CONTAINMENT MODEL"

APRIL 24, 2002

WESTINGHOUSE

Larry Smith
Ralph Surman
John DeBlasio
Robert Henery
Robert Hammersly
Chan Paik
Chris Henry

FIRSTENERGY NUCLEAR OPERATING COMPANY

Bill Kline
Mike Testa
Ken Frederick
Brian Sepelak
Steve Sarver

NRC

Girija Shukla
Rich Lobel
Sunil Weerakkody
Paul Boehnert
Andrzej Drozd
Allen Notafrancesco
Edward Throm
Dan Collins