

June 24, 2002

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

FROM: Drew Holland, Project Manager, Section 2  
Project Directorate IV /RA/  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF APRIL 18, 2002, MEETING WITH WESTINGHOUSE  
ELECTRIC COMPANY ON THE FUEL CRITERIA EVALUATION  
PROCESS AND THE CONTROL ROD EJECTION ACCIDENT TOPICAL  
REPORT ACCEPTANCE BY THE NRC (TAC NO. MB4521)

The NRC staff met with Westinghouse Electric Company (W) on April 18, 2002, to discuss two topical reports (TR) submitted by W. The two reports are: (1) WCAP-15806-P, "Westinghouse Control Rod Ejection Analysis Methodology Using Multi-Dimensional Kinetics," and (2) WCAP-12488, "Westinghouse Fuel Criteria Evaluation Process (FCEP)." A list of the meeting attendees is attached. The non-proprietary slides that were used for the second portion of the meeting are available under ADAMS Accession No. ML021070711. There were no slides presented for the first portion of the meeting.

WCAP-15806-P was discussed first. The staff stated that they had examined the report and considered it acceptable for review. A discussion took place on the approach for how the review would be conducted with respect to requests for additional information (RAIs) and conference calls for some questions that may only require clarification. It was noted by W that the codes used in this TR had previously been reviewed and approved by the staff and that the TR focused more on the methodology approach for the accident analysis. It was also noted that since the TR addressed the methodological approach, it did not matter what the final criteria would be. The methodological approach will not be affected by new proposed limits if approved or by new limits imposed by the staff. It was also noted that the staff may request copies of the codes for confirmation of calculations or they may want to audit the W calculations. W stated that they requested the TR be reviewed and approved by the end of 2002. This request is in support of a follow-on plant specific submittal that is anticipated to be submitted to the staff in early 2003. The staff believes that the review of this TR can be completed by the end of December 2002.

The second portion of the meeting discussed WCAP-12488. This portion of the meeting was proprietary and closed to members of the public. The presentation focused on updating the staff on what FCEP covered and how changes were addressed. This presentation had been requested by the staff to refamiliarize the staff on FCEP since many of the original staff members that licensed the approach were no longer with the NRC. The presentation focused on one area of FCEP where the NRC had questions, i.e., grid design modifications and

correlation applicability determination. The staff found the presentation to be informative and that it addressed their questions of how W was applying FCEP for fuel modifications. The summary of how the applicability determination was conducted was shown in an example for the 15x15 Robust Fuel Assembly-2 (RFA-2) design that W is developing. The staff acknowledged that the approach was in keeping with the licensed approach specified in FCEP and that they did not see a problem with the methods. It was noted by the staff that they may want to audit the 15x15 RFA-2 calculations after W sends a formal FCEP notification in on this change to ensure the level of detail that was used with the FCEP process is correct.

Project No. 700

Attachment: Meeting Attendees

cc w/attachment:

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

Mr. Gordon Bischoff, Project Manager  
Westinghouse Owners Group  
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Pittsburgh, PA 15230-0355

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**MEETING WITH WESTINGHOUSE ELECTRIC COMPANY**

**APRIL 18, 2002**

**ATTENDANCE LIST**

**WESTINGHOUSE**

C. Molnar  
C. Brinkman  
W. Slagle  
D. Reid  
D. Rowland  
G. Sieradzski

**WESTINGHOUSE OWNERS GROUP**

J. Canavan

**SCIENTECH**

D. Raleigh

**NRC**

A. Attard  
R. Caruso  
D. Holland  
E. Hendrick  
A. Passarelli  
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S. Wu