

October 4, 2002

Mr. D. M. Rowland  
Manager, Fuel Licensing and Special Projects  
Westinghouse Electric Company LLC  
5801 Bluff Road  
Drawer R  
Columbia, SC 29250

SUBJECT: WESTINGHOUSE ELECTRIC COMPANY - REQUEST FOR ADDITIONAL  
INFORMATION (RAI) ON TOPICAL REPORT WCAP-15682-P,  
"WESTINGHOUSE BWR ECCS EVALUATION MODEL: SUPPLEMENT 2 TO  
CODE DESCRIPTION, QUALIFICATION AND APPLICATION"  
(TAC NO. MB4276)

Dear Mr. Rowland:

By letter dated February 8, 2002, Westinghouse Electric Company submitted for staff review Topical Report WCAP-15682-P, "Westinghouse BWR ECCS Evaluation Model: Supplement 2 to Code Description, Qualification and Application."

The staff has completed its preliminary review of WCAP-15682-P and has identified a number of items for which additional information is needed to continue its review. The enclosed RAI was discussed with your staff on September 9, 2002. A mutually agreeable target date of October 16, 2002, was established for responding to the RAI. Please provide the requested information so that the staff's review can be completed in a timely manner. Partial submittals would be welcomed to minimize delays.

If you have any questions, please call me at (301) 415-1436.

Sincerely,

**/RA/**

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

Project No. 700

Enclosure: Request for Additional Information

cc w/encl: See next page

October 4, 2002

Mr. D. M. Rowland  
Manager, Fuel Licensing and Special Projects  
Westinghouse Electric Company LLC  
5801 Bluff Road  
Drawer R  
Columbia, SC 29250

SUBJECT: WESTINGHOUSE ELECTRIC COMPANY - REQUEST FOR ADDITIONAL  
INFORMATION (RAI) ON TOPICAL REPORT WCAP-15682-P,  
"WESTINGHOUSE BWR ECCS EVALUATION MODEL: SUPPLEMENT 2 TO  
CODE DESCRIPTION, QUALIFICATION AND APPLICATION"  
(TAC NO. MB4276)

Dear Mr. Rowland:

By letter dated February 8, 2002, Westinghouse Electric Company submitted for staff review Topical Report WCAP-15682-P, "Westinghouse BWR ECCS Evaluation Model: Supplement 2 to Code Description, Qualification and Application."

The staff has completed its preliminary review of WCAP-15682-P and has identified a number of items for which additional information is needed to continue its review. The enclosed RAI was discussed with your staff on September 9, 2002. A mutually agreeable target date of October 16, 2002, was established for responding to the RAI. Please provide the requested information so that the staff's review can be completed in a timely manner. Partial submittals would be welcomed to minimize delays.

If you have any questions, please call me at (301) 415-1436.

Sincerely,

**/RA/**

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

Project No. 700

Enclosure: Request for Additional Information

cc w/encl: See next page

**DISTRIBUTION:**

|                   |                            |
|-------------------|----------------------------|
| PUBLIC            | RidsNrrDlpmLpdiv (WRuland) |
| PDIV-2 R/F        | RidsNrrPMDHolland          |
| RCaruso           | FAkstulewicz               |
| TFord             | RidsNrrLAEPeyton           |
| RidsOgcMailCenter | RidsAcrcAcnwMailCenter     |

**ACCESSION NO.: ML022680388 NRR-088**

|        |          |           |           |
|--------|----------|-----------|-----------|
| OFFICE | PDI-2/PM | PDIV-2/LA | PDIV-2/SC |
| NAME   | DHolland | EPeyton   | SDembek   |
| DATE   | 9-30-02  | 9/30/02   | 10/1/02   |

OFFICIAL RECORD COPY

REQUEST FOR ADDITIONAL INFORMATION

WESTINGHOUSE ELECTRIC COMPANY TOPICAL REPORT WCAP-15682-P,

"WESTINGHOUSE BWR ECCS EVALUATION MODEL:

SUPPLEMENT 2 TO CODE DESCRIPTION, QUALIFICATION AND APPLICATION"

PROJECT NO. 700

The staff is reviewing WCAP-15682-P, "Westinghouse BWR ECCS Evaluation Model: Supplement 2 to Code Description, Qualification, and Application," submitted February 8, 2002. To complete the review the following information is requested.

1. WCAP-15682-P states "that the only difference between this version of the Westinghouse ECCS Evaluation Model (EM), and the previously approved USA2 version, is the methodology used to determine when the fuel rod cladding will rupture." Please confirm that no other changes have been made to the previously approved USA2 version.
2. The previously approved USA2 EM was based only on single tube test data, whereas, the proposed USA4 EM uses bundle data to justify the assumption of cladding rupture on contact. Why is contact with adjacent rods a concern now and it was not a concern for the previously approved USA2 version? What has changed to make rod-to-rod touching a concern?
3. Have the limiting conditions for a loss-of-coolant accident changed with the use of the proposed emergency core cooling system EM?

Westinghouse Electric Company

Project No. 700

cc:

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