

November 24, 2003

MEMORANDUM TO: Laura A. Dudes, Section Chief  
New Reactors Section  
New, Research and Test Reactors Program  
Division of Regulatory Improvement Programs, NRR

FROM: Joseph Colaccino, Senior Project Manager */RA/*  
New Reactors Section  
New, Research and Test Reactors Program  
Division of Regulatory Improvement Programs, NRR

SUBJECT: SEPTEMBER 4, 2003, AP1000 TELEPHONE CONFERENCE CALL  
SUMMARY

On Thursday, September 4, 2003, a telephone conference call was held with Westinghouse Electric Company (Westinghouse) representatives and Nuclear Regulatory Commission staff to discuss AP1000 draft safety evaluation report Open Item 5.3.3-1. The call participants are listed in Attachment 1. A summary of actions associated with this open item is included in Attachment 2.

Docket No. 52-006

Attachments: As stated

cc w/atts: See next page

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SEPTEMBER 4, 2003  
TELEPHONE CONFERENCE CALL SUMMARY  
LIST OF PARTICIPANTS

Nuclear Regulatory Commission

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M. Khanna  
M. Mitchell

Westinghouse

D. Weisman

AP1000 TELEPHONE CONFERENCE CALL SUMMARY  
OPEN ITEM 5.3.3-1  
SEPTEMBER 4, 2003

The staff identified Open Item 5.3.3-1 to request that Westinghouse provide  $RT_{NDT}$  limits that are consistent with Appendix G of 10 CFR Part 50 for the closure flange region of the reactor vessel and the reactor vessel head. Westinghouse stated, in its open item response letter of July 31, 2003 (ADAMS Accession No. ML032160428), and reiterated during the conference call, that elimination of the flange requirement results in plant safety and operational improvements. The response requested an exemption from the requirements of Appendix G of 10 CFR Part 50.

The NRC staff stated that in order for Westinghouse to gain an exemption for the AP1000 design, the applicant would have to provide the same information that the NRC requires to support an exemption for operating plants. Specifically, this would include: (1) properties of the flange material (initial and modified due to thermal aging and radiation damage), (2) bounding flaw size in the flange area, (3) loads and stresses in the flange region, and (4) the need to impose any particular limits to the flange materials. The NRC staff also indicated that an exemption has not been approved for an operating plant as of the date of the conference call.

Westinghouse stated that it would review its approach to address this open item and revise their response as appropriate.

AP 1000

cc:

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