

November 17, 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 9, 2003, AP1000 TELEPHONE CONFERENCE CALL
SUMMARY

On Tuesday, September 9, 2003, a telephone conference call was held with Westinghouse Electric Company (Westinghouse) representatives and Nuclear Regulatory Commission staff and contractors to discuss AP1000 draft safety evaluation report Open Items 3.3.1-1 and 3.3.1-2. The call participants are listed in Attachment 1. A summary of actions associated with each 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 9, 2003
TELEPHONE CONFERENCE CALL SUMMARY
LIST OF PARTICIPANTS

Nuclear Regulatory Commission

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R. Morante (Brookhaven National Laboratory)
J. Colaccino

Westinghouse

M. Corletti
R. Orr

AP1000 TELEPHONE CONFERENCE CALL
OPEN ITEMS 3.3.1-1 AND 3.3.1-2
SEPTEMBER 9, 2003

Open Item 3.3.1-1

The NRC staff is concerned with Westinghouse's design classification for AP1000 structures as Exposure Category D verses Exposure Category C. The NRC staff notes that this classification may not provide a complete picture of the wind load. Westinghouse agreed to consider this issue further and stated that they may have further discussions on this issue during the audit.

Open Item 3.3.1-2

The NRC staff stated that American Society of Civil Engineers (ASCE) Paper Number 3269, "Wind Forces on Structures," Volume 126, Part II (1961) is the only source that references information on shape coefficients for the shield building. This paper is referenced in the NRC standard review plan. However, Westinghouse uses ASCE Paper Number 7-98 to calculate the pressure loadings on structures for the design tornado wind velocity and the associated vertical distribution of wind pressures and gust factors. The NRC requested in the AP1000 draft safety evaluation report that Westinghouse clarify its inconsistent use of the ASCE 7-98 recommendations for wind load design.

Westinghouse stated that the results using ASCE 7-98 matched up well with the wind tunnel test results. Westinghouse agreed to revise their open item response and provided expanded discussion of the results in the AP1000 design control document.

AP 1000

cc:

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