

November 17, 2003

MEMORANDUM TO: Laura A. Dudes, Section Chief
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Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

FROM: John P. Segala, Senior Project Manager */RA/*
New Reactors Section
New, Research and Test Reactors Program
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

SUBJECT: AUGUST 19, 2003, AP1000 TELEPHONE CONFERENCE CALL
SUMMARY

On Tuesday, August 19, 2003, a telephone conference call was held with Westinghouse Electric Company (Westinghouse) representatives and Nuclear Regulatory Commission (NRC) staff to discuss containment sump performance issues.

The NRC staff specifically discussed the Westinghouse response to draft safety evaluation report (DSER) open items (OIs) 6.2.1.8.2-1, 6.2.1.8.3-1, and 6.2.1.8.3-3. Westinghouse submitted responses to these open items on June 23, 2003, and August 13, 2003 (ADAMS Accession Nos. ML031760598 and ML032270390, respectively). A list of call participants is included in Attachment 1.

The following is a brief summary of the discussions regarding identified topics:

OIs 6.2.1.8.2-1, 6.2.1.8.3-1, and 6.2.1.8.3-3:

OIs 6.2.1.8.2-1, 6.2.1.8.3-1, and 6.2.1.8.3-3 are related to the potential for debris blockage in the in-containment refueling water storage tank (IRWST) screens, in a debris bed located in the reactor core, and in the containment recirculation screens, respectively.

As a result of the NRC staff's audit of Westinghouse's sump blockage calculations, the staff discussed questions regarding differences between the Westinghouse's calculations and the staff's independent calculations.

Specifically, the staff ask Westinghouse to provide the basis for Westinghouse's specific surface area assumption for paint debris. Westinghouse stated that the AP1000 design utilizes qualified paint coatings. Westinghouse also stated that they chose the default specific surface area value for paint provided in NRC's sump blockage code. The staff stated that the default

L. Dudes

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value may not be representative or conservative. The staff indicated that they plan to discuss the basis for the default value with the developer of the blockage code.

Docket No. 52-006

Attachment: As stated

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Docket No. 52-006

Attachment: As stated

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AUGUST 19, 2003
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AP 1000

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