

January 17, 2007

APPLICANT: Westinghouse

SUBJECT: SUMMARY OF THE DECEMBER 18, 2006, PUBLIC MEETING WITH WESTINGHOUSE TO DISCUSS AP1000 PIPING DESIGN ACCEPTANCE CRITERIA (DAC)

On December 18, 2006, a public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Westinghouse, at the Westinghouse Office in Rockville, Maryland. The purpose of the meeting was to discuss AP1000 piping DAC. A list of meeting attendees is included as Enclosure 1, and the topics discussed is included as Enclosure 2. Enclosure 3 contains Westinghouse's meeting handout, which can be accessed through the Agencywide Documents Access and Management System (ADAMS). This system provides text and image files of NRC's public documents. The handout mentioned above may be accessed through the ADAMS system under Accession No. ML070040271. If you do not have access to ADAMS or if there are problems in accessing the handouts located in ADAMS, contact the NRC Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737 or by e-mail to pdr@nrc.gov. A summary of the meeting is included below.

Westinghouse started the meeting by discussing their philosophy for closing out the AP1000 piping DAC generically, rather than on a site specific basis. Westinghouse indicated that their goal is to close out the DAC on the basis that they have an acceptable process and methodology for developing piping designs, but not a complete piping design. Westinghouse further discussed the systems which have piping DAC and also have inspections, tests, analyses, and acceptance criteria (ITAAC) to verify as-built piping design and design verification. Westinghouse explained that portions of the AP1000 safety related piping design are complete, equivalent to what was done for the AP600 design certification. Since there was no DAC for the AP600 design certification, Westinghouse concluded enough detail is now available to close out AP1000 DAC. The staff noted that although the AP600 design certification application proposed to complete the piping design thereby eliminating the need for piping DAC, the staff's audit of the AP600 piping design at the time of design approval found that Westinghouse did not fully complete the AP600 piping design as discussed in Section 14.3.3 of the AP600 final safety evaluation report. Westinghouse stated that they had completed 40 AP1000 design packages of the total 280 packages which are to be completed. Westinghouse stated that these packages contain the necessary evaluations and methodologies of the piping DAC, but are not certified. Westinghouse stated that these packages are ready for NRC staff audit and requested to schedule a date for an audit.

The NRC staff informed Westinghouse that the level of completeness on the piping design was not sufficient to initiate an audit. Westinghouse does not plan to complete the design reports at this stage. Westinghouse informed the staff that these packages did not address the soil seismic response spectrum envelope that they are currently using for structures analyses/calculations, only hard rock seismic response spectrum is used. Also, Westinghouse has not completed the pipe break and the fatigue analyses as part of their piping design.

Please direct any inquires concerning this meeting to Steven Bloom at (301) 415-1313, or sdb1@nrc.gov.

/RA/

Steven D. Bloom, Senior Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Project No. 740

Enclosures:

1. List of Attendees
2. Topics
3. AP1000 Piping Design
Acceptance Criteria (ML070040271)

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**Meeting with Westinghouse Related
Technical Reports Related to AP1000 Piping Design Acceptance Criteria**

**Tuesday, December 18, 2006
1:00 p.m. to 3:00p.m.
Westinghouse Offices, Rockville, MD**

Name	Organization
Steven Bloom	NRC/NRO/NWE1
David Terao	NRC/NRR/DORL
John Fair	NRC/NRR/EEMB
Jennifer Dixon-Herrity	NRC/NRR/EEMB
Yueh-Li C. Li	NRC/NRR/EEMA
Stephanie Coffin	NRC/NRO/DNRL
Michael Miernicki	NRC/NRO/NWE1
Jerry Wilson	NRC/NRO/DNRL
Andrea Sterdis	Westinghouse
Don Lindgren	Westinghouse
Pat Strauch	Westinghouse
Phil Kotwicki	Westinghouse
Alan Levin	AREVA

Topics for Meeting with Westinghouse Regarding AP1000 Piping Design Acceptance Criteria
December 18, 2006, Westinghouse Office, Rockville, MD

Introduction and Purpose
Overview of Westinghouse DAC Strategy
Discussion of DAC Closure and Remaining ITAAC
Detailed Discussion of Piping Analysis Status
Conclusion/Actions Going Forward

Enclosure 3:

Westinghouse Hand-out -
“AP1000 Piping Design Acceptance Criteria”

ML070040271

AP 1000 Mailing List

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