

August 3, 2007

APPLICANT: Westinghouse

PROJECT: AP1000 Design

SUBJECT: SUMMARY OF THE JUNE 26 AND JUNE 27, 2007, MEETING WITH WESTINGHOUSE TO DISCUSS THE AP1000 DESIGN OF PIPING AND COMPONENTS

On June 26 and June 27, 2007, a meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Westinghouse, at the offices of Westinghouse Electric Company, 4350 Northern Pike, Monroeville, Pennsylvania. The purpose of the meeting was to discuss the AP1000 design of piping and components. The June 26, 2007, morning session of the meeting was opened to the public while the remainder of the meeting was closed to the public for the purpose of discussion of proprietary information. A list of meeting attendees is included as Enclosure 1. Enclosure 2 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. ML071790301. 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 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.

The NRC staff requested up to date status, schedule and listing of piping design packages and component design packages with a specific interest in American Society of Mechanical Engineers (ASME) design specifications and reports and description of the Westinghouse design processes.

Based on the discussions, the NRC staff understands that Westinghouse does not complete the ASME Design Reports early in the design process, that this traditionally occurs during construction. Based on Westinghouse's understanding of what the NRC desired to review, Westinghouse only completed the design to the point that stress reports were available for the systems requested by the NRC staff. A roadmap to the Design Acceptance Criteria (DAC) methodology was to be provided for each package. Westinghouse indicated that there was a degree of ambiguity, in the description of the Westinghouse process, as to what constituted a "design report" and that clarification was needed.

The NRC staff explained that to be able to write a Safety Evaluation documenting that the design was in accordance with code and regulations, the design would have to be finished for all ASME Boiler and Pressure Vessel Code, Class 1, 2, and 3, systems to the point that purchase, construction, and installation specifications could be developed. Based on further discussion, the NRC staff concluded that the design had to progress to the point that a Revision 0 Design Report was available based on the description of the Westinghouse

processes. Westinghouse did not agree with this conclusion and were of the opinion that the stress reports were all that the NRC needed.

The NRC staff explained that DAC could possibly be resolved based on the required level of completion of the design and documents that gave the same information as the ASME Design Report. It could also be addressed in portions (Class 1 could be audited when complete, for example).

The component design was described as being complete with the exception of the design reports for valves, which would not be available until delivery of the valves. NRC proposed that Westinghouse provide a schedule with a list of equipment, describing the Design Reports that would be available later with an explanation. NRC stated that if the Technical Report and the design certification amendment were modified to reflect this, that the component portion of the Combined Operating License application Information Item could possibly be closed (following a successful audit) with those Design Reports that won't be available until late in construction moved to the Inspection, Testing and Acceptance Criteria process.

Please direct any inquires concerning this meeting to David H. Jaffe at 301-415-1439, or dhj@nrc.gov.

David H. Jaffe, Senior Project Manager */RA/*
AP1000 Project Branch 2
Division of New Reactor Licensing
Office of New Reactors

Project No. 740

Enclosures: 1. List of Attendees
 2. AP1000 Piping and Component Design Meeting Handouts
 (ML071790301)

cc: See next page

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DATE	8/2/2007	8/3/2007	8/3/2007

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**Meeting with Westinghouse
AP1000 Piping and Component Design**

June 26 and June 27, 2007

Westinghouse Offices, Monroeville, Pennsylvania

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Sam Adams	Westinghouse
Don Lindgren	Westinghouse
Andrea Sterdis	Westinghouse
Yueh-Li Li	NRC\NRO
Arnold Lee	NRC\NRO
Jennifer Dixon-Herrity	NRC\NRO
Keith Graham	GENE
L. Dudes (by telephone conference link)	NRC\NRO
Phil Kotwicki	Westinghouse
Ed Johnson	Westinghouse
Dale Wiseman	Westinghouse
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Chris Eng	Westinghouse

Enclosure 2:

Westinghouse Hand-out

AP1000 PIPING AND COMPONENT DESIGN

ML071790301

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