

October 29, 2009

MEMORANDUM TO: Eileen M. McKenna, Chief
AP1000 Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

FROM: Billy Gleaves, Senior Project Manager
AP1000 Projects Branch 2 /RA/
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: PUBLIC MEETING WITH WESTINGHOUSE ELECTRIC COMPANY ON
AP1000 DESIGN CERTIFICATION AMENDMENT - SHIELD BUILDING
STRUCTURAL REVIEW

DATE & TIME: Wednesday, November 18, 2009
8:30 a.m. – 4:30 p.m.

LOCATION: Chase Suite Hotel
1380 Piccard Drive
Rockville, MD 20850
(888) 433-9407

Parking is available in the flat lot beside the meeting location. Parking is no charge for meeting attendees.

PURPOSE: This meeting is to discuss the U.S. Nuclear Regulatory Commission's (NRC) review of the Westinghouse Electric Company's (Westinghouse) application for amendment to the AP1000 Design Certification (DC). Specifically, the NRC will present the results of its review of Westinghouse's AP1000 shield building design methodology report, dated August 31, 2009, and discuss technical issues related to the structural review of the shield building proposed as part of the AP1000 DC amendment.

CATEGORY 1: * This is a Category 1 Meeting. The public is invited to observe this meeting and will have one or more opportunities to communicate with the NRC after the non-proprietary portion but before the meeting is adjourned. The start of the meeting will be open to the public and will include the topics of discussion and a summary of NRC's technical review to date on the proposed AP1000 shield building. Due to the proprietary nature of information discussed, in this meeting only the beginning of the meeting, where NRC summarizes the technical review of the AP1000 shield building design methodology report, will be open to the public. The remaining portion of the meeting will be closed to the public due to the discussions centering on proprietary design information. Please contact the NRC for access to a conference bridge for the meeting.

MEETING CONTACT: Billy Gleaves, NRC/NRO
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* Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings" (67 FR 36920), May 28, 2002.

PARTICIPANTS: Participants from the NRC include members from the Office of New Reactors (NRO) and Westinghouse Electric Company.

NRC/NRO

Westinghouse

M. Johnson

T. Weir

D. Matthews

E. Cummins

F. Akstulewicz

R. Sisk

L. Dudes

M. Corletti

E. McKenna

L. Tunon-Sanjur

B. Gleaves

D. Lindgren

B. Thomas

Westinghouse
Contractors

J. Ma

et. al.

et. al.

Enclosure:
Agenda

cc w/encl: See next page

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DATE	10/29/2009	10/29/2009	10/29 /2009

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AGENDA

Nuclear Regulatory Commission Meeting with

Westinghouse Electric Company

on the AP1000 Shield Building Structural Review

November 18, 2009

Purpose and Objectives

- (1) For Westinghouse: To provide a clear description of their (Westinghouse) integrated design process and the status of the progress made through this process including design modifications. (Non-Proprietary)
- (2) To provide expectations of the schedule for a submittal from Westinghouse responding to the issues contained in the October 15, 2006 NRC letter. (Non-Proprietary)
- (3) To achieve a full understanding on the part of Westinghouse of the scope and breadth of the technical issues that require resolution. (Proprietary)
- (4) To provide the NRC with the Westinghouse plans for providing the appropriate level of detail, including design modifications, in the shield building deliverable to respond to the issues identified in the October 15, 2009 NRC letter. (Proprietary)
- (5) To achieve a full understanding on the part of NRC of the scope and breadth of testing that will be performed to demonstrate the adequacy of the proposed design features. (Proprietary)

Non-Proprietary Portion

- 8:30 a.m. - 8:45 a.m. Welcome / Introduction
- NRC Background/Historical Perspective NRC
- 8:45 a.m. - 9:15 a.m. Shield Building Overview WEC
- Westinghouse's integrated Design Process
 - Introduce the Shield Building Integrator/Team
 - Shield Building Design Summary
 - Function
 - Regulatory Consideration
 - Progress made on the shield building
 - Proposed schedule considerations
- 9:15 a.m. - 9:30 a.m. Closing Remarks/ Public Comments/ Questions NRC
- 9:30 a.m. - 9:45 a.m. Break

Enclosure 1

Proprietary Portion

9:45 a.m. - 4:00 p.m.	AP1000 Shield Building Technical Discussion	WEC
9:45 a.m. - 10:00 a.m.	Overview and Organization	
10:00 a.m. - 11:00 a.m.	Design process for AP1000 Shield Building <ul style="list-style-type: none">a. Design Considerationsb. Analysis Methodsc. Loadsd. Detailing	
11:00 a.m. - 12:00 p.m.	Design Features <ul style="list-style-type: none">a. SC/RC connection to Basematb. Shield Building Cylindrical Wallc. Air Inlet and Tension Ring Modificationsd. Roof and Tank Design	
12:00 p.m. - 1:00 p.m.	Lunch	
1:00 p.m. - 2:00 p.m.	Summary of New Analyses	
2:00 p.m. - 3:00 p.m.	AP1000 Testing <ul style="list-style-type: none">a. Anchorage Testb. Out of Plan Shear w/o Tensionsc. Out of Plan Shear w/Tensionsd. In-Plane Shear w/Tensionse. SCC Material Test	
3:00 p.m. - 3:15 p.m.	Break	
3:15 p.m. - 4:00 p.m.	Construction & Inspection <ul style="list-style-type: none">a. SCCb. Mockupsc. Inspection Plan	
4:00 p.m. - 4:15 p.m.	Wrap-Up	
4:15 p.m. - 4:30 p.m.	Closing Remarks	NRC
4:30 p.m.	Adjourn	

*Note: Some sessions may be closed to discuss proprietary documents and information pursuant to 5 U.S.C 552b(c)(4)

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(Revised 05/21/2009)

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