

August 19, 2011

COMPANY: BABCOCK & WILCOX NUCLEAR ENERGY INC.

DESIGN: MPOWER REACTOR DESIGN

SUBJECT: SUMMARY OF AUGUST 2, 2011, CLOSED MEETING WITH BABCOCK & WILCOX NUCLEAR ENERGY TO DISCUSS THE EMERGENCY CORE COOLING SYSTEM DESIGN AND ACCIDENT ANALYSIS METHODOLOGY (TAC NO. RN6075)

On August 2, 2011, a Closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC), and representatives of Babcock & Wilcox Nuclear Energy (B&W NE), at NRC Headquarters, Two White Flint North, 11545 Rockville Pike, Room T-10A1, Rockville, Maryland. The purpose of the meeting was to discuss the mPower Emergency Core Cooling System (ECCS) design and accident analysis methodology.

B&W NE presented information on the mPower ECCS key components, subsystems and functions and its safety analysis methodology requirements and development process. The NRC staff and B&W NE discussed several issues including SECY-93-0087, "Policy, Technical, and Licensing Issues Pertaining to Evolutionary and Advanced Light-Water Reactor (ALWR) Design," applicability to the mPower design and B&W NE's plans to submit a Technical Report regarding accident analysis requirements.

The meeting agenda and meeting attendees are included in Enclosures 1 and 2. B&W NE slide presentations are available through the Agencywide Documents Access and Management System (ADAMS). The ADAMS accession number for the non-proprietary, redacted version of the slide presentation is ML11196A015 and ML11216A004. ADAMS is the system that provides text and image files of NRC's public documents. Documents are available electronically at the NRC's Electronic Reading Room at <http://www.nrc.gov/reading-rm/adams.html>. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) staff at 1-800-397-4209, 301-415-4737, or pdr@nrc.gov.

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Please direct any inquiries to Joelle Starefos at 301-415-6091, or email Joelle.Starefos@nrc.gov.

Sincerely,

/RA/

Yanely Malave-Velez, Project Manager
Advanced Reactor Branch 2
Advanced Reactor Program
Office of New Reactors

Project No.: PROJ0776

Enclosure:

1. Agenda
2. List of Attendees

cc w/encl: DC B&W mPower Mailing List

Please direct any inquiries to Joelle Starefos at 301-415-6091, or email Joelle.Starefos@nrc.gov.

Sincerely,

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- 1. Agenda
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NRC-001

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NAME	YMalave-Velez	JStarefos (YMalave-Velez for)	SMagruder
DATE	08/19/2011	08/19/2011	08/19/2011

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AGENDA

CLOSED MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION (NRC) AND BABCOCK & WILCOX (B&W) NUCLEAR ENERGY REGARDING THE EMERGENCY CORE COOLING SYSTEM (ECCS) DESIGN AND ACCIDENT ANALYSIS METHODOLOGY

AUGUST 02, 2011; 1:00PM-4:00PM

TWO WHITE FLINT NORTH, ROOM T-10A1

TIME	TOPIC	LEAD
1:00pm – 1:10pm	Opening and Introductions	NRC/B&W
1:10pm – 2:40pm	ECCS Design	B&W
2:40pm – 2:50pm	Break	
2:50pm – 3:55pm	Accident Analysis Methodology	B&W
3:55pm – 4:00pm	Closing	NRC
4:00pm	Adjourn	NRC

Enclosure

ATTENDANCE LIST

CLOSED MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION (NRC) AND BABCOCK & WILCOX (B&W) NUCLEAR ENERGY REGARDING THE EMERGENCY CORE COOLING SYSTEM (ECCS) DESIGN AND ACCIDENT ANALYSIS METHODOLOGY

AUGUST 02, 2011; 1:00PM-4:00PM

TWO WHITE FLINT NORTH, ROOM T-10A1

NAME	ORGANIZATION
Hosung Ahn	NRC
Kenneth Baity	B&W NE
Randy Belles	ORNL (via telephone)
David Brown	NRC
Mark Caroso	NRC
Mike Childerson	B&W NE
Tze-Jer (Jerry) Chuang	NRC
Paul Clifford	NRC
Bob Davis	NRC
Jean-Claude Dehmel	NRC
Matt Dennis	SNL
David Diec	NRC
Andre Drozd	NRC
Don Dube	NRC
Mike Edwards	B&W NE
Bob Fitzpatrick	NRC
Steve Frankl	NRC
Ed Fuller	NRC
James Gilmer	NRC
Anne-Marie Grady	NRC
Syed I. Haider	NRC
Jeff Halfinger	B&W NE
Michelle Hart	NRC
Michelle Hayes	NRC
Todd Hilsmeier	NRC
Yi-Hsiung Hsii	NRC
Mike Jones	NRC
Abdul H. Kazi	NRC
Ralph Landry	NRC
Ron LaVera	NRC
Pete Lee	NRC

NAME	ORGANIZATION
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Chang Li	NRC
Shanlai Lu	NRC
Stewart Magruder	NRC
Yanely Malave-Velez	NRC
Robert Martin	B&W NE
Jan Mazza	NRC
Sunwoo Park	NRC
Malcolm Patterson	NRC
Chester Poslusny	B&W NE
Jeannie Rinckel	FIRSTENERGY
Jim Saldarini	BECHTEL
J.V. Smith	BECHTEL
Tom Spink	TVA
Joelle Starefos	NRC
Andrea Sterdis	TVA
Dan Strom	PNNL
George Thomas	NRC
Rajgopal Vijaykumer	BECHTEL
Ryan Wagner	NRC
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Carl Weber	NRC
Eric Williams	B&W NE
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