

August 21, 2012

COMPANY: BABCOCK & WILCOX mPOWER INC.

DESIGN: mPower™ REACTOR DESIGN

SUBJECT: SUMMARY OF CLOSED MEETING WITH THE NUCLEAR
REGULATORY COMMISSION STAFF AND BABCOCK & WILCOX
mPOWER INC. REGARDING THE BABCOCK & WILCOX mPower™
CORE THERMAL HYDRAULICS AND VESSEL RISER DESIGN BASIS.
(TAC NO. RN6075)

On July 26, 2012, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC), and representatives of Babcock & Wilcox (B&W) mPower, Inc. at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Room O-04 B06, Rockville, Maryland. The purpose of the meeting was to discuss the core thermal hydraulics and the vessel riser design basis for the mPower™ design.

B&W mPower presented information on the mPower™ core thermal hydraulic methodology, as well as, the steam generator riser design basis. The staff queried B&W mPower about several aspects of the mPower™ design, including the anticipated submission of a Critical Heat Flux Topical Report and the design, construction, and inspection of the steam generator riser.

The meeting agenda and meeting attendees are included in Enclosures 1 and 2. B&W mPower's 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 ML12194A566, updated ML12209A369. 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, fax 301-415-3548, TDD 1-800-635-4512, or <http://www.nrc.gov/reading-rm/contact-pdr.html>.

-2-

Please direct any inquiries to me at 301-415-6007, email Matthew.Humberstone@nrc.gov, or Joelle Starefos at 301-415-6091, email Joelle.Starefos@nrc.gov.

Sincerely,

/RA/

Matthew J. Humberstone, Project Manager
Projects Branch
Division of Advanced Reactors and
Rulemaking
Office of New Reactors

Project No: 0776

Enclosures:

1. Agenda
2. List of Attendees

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

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

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ADAMS ACCESSION NO.: ML12209A096

NRC-001

OFFICE	PM:NRO/DARR/APRB	PM:NRO/DARR/APRB
NAME	MHumberstone	JStarefos
DATE	8/22/12	8/21/12

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AGENDA

CLOSED MEETING BETWEEN BABCOCK & WILCOX (B&W) AND THE U.S. NUCLEAR REGULATORY COMMISSION (NRC) STAFF

JULY 26, 2012; 8:30AM-3:30 PM

ONE WHITE FLINT NORTH, ROOM O-04B06

TIME	TOPIC	LEAD
8:30am-8:35am	Opening Remarks & Introductions	NRC/B&W
8:35am-10:00am	Core Thermal Hydraulics Methodology	B&W
10:00am-10:15am	Break	NRC
10:15am-12:00pm	Core Thermal Hydraulics Methodology	B&W
12:00pm-1:00pm	Break for Lunch	NRC
1:00pm-2:30pm	Vessel Riser Design Basis	B&W
2:30pm-2:45pm	Break	NRC
2:45pm-3:25pm	Vessel Riser Design Basis	B&W
3:25pm-3:30pm	Conclusion	NRC/B&W
3:30pm	Adjourn	NRC

ATTENDANCE LIST

CLOSED MEETING BETWEEN BABCOCK & WILCOX (B&W) AND THE U.S. NUCLEAR REGULATORY COMMISSION (NRC) STAFF

JULY 26, 2012; 8:30AM-3:30PM
ONE WHITE FLINT NORTH, ROOM O-04B06

NAME	ORGANIZATION
Bob Davis	NRC/NRO
Brian Arnholt	B&W mPower
Carl Weber	NRC/NRO/DCIP
Chester Poslusny	B&W mPower
Dave Kanuch	B&W mPower
Eric Williams	B&W mPower
George Thomas	NRC/NRO/DSRA/SRSB
James Gilmer	NRC/NRO/DSRA/SRSB
Jim Saldarini	Bechtel PWR
Joel Jenkins	NRC/NRO/DE
John Budzynski	NRC/NRO
John Honcharik	NRC/NRO/DE
Ken Mott	NRC/NRO/DE/ICE1
Matt Humberstone	NRC/NRO
Michael Bradbury	B&W mPower
Mike Childerson	B&W mPower
Mike Edwards	B&W mPower
Peter Hastings	B&W mPower
Robert Davis	NRC/NRO/DE
Ron Kelmenson	B&W mPower
Ron LaVera	NRC/NRO/DSEA/RPAC
Ruwan Ratnayake	B&W mPower
Sandra Sloan	B&W mPower
Shanlai Lu	NRC/NRO
Stephen Scoles	B&W mPower
Steven Pope	B&W mPower
Vince Bilovsky	B&W mPower
Y. Gene Hsii	NRC/NRO/DSRA/SRSB
Yanely Malave	NRC/NRO
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(Revised 06/26/2012)

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