

June 29, 2011

COMPANY: BABCOCK & WILCOX NUCLEAR ENERGY INC.

DESIGN: MPOWER REACTOR DESIGN

SUBJECT: SUMMARY OF CLOSED MEETING WITH BABCOCK & WILCOX NUCLEAR ENERGY, REGARDING THE REACTOR FUEL MECHANICAL DESIGN UPDATE AND THE REACTOR PHYSICS DESIGN AND ANALYSIS UPDATE FOR THE MPOWER DESIGN. (TAC NO. RN6075)

On June 22, 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, One White Flint North, 11555 Rockville Pike, Room O-04 B06 Rockville, Maryland. The purpose of the meeting was to discuss the reactor fuel mechanical design update and the reactor physics design and analysis update for the mPower design.

B&W NE presented information on the mPower design optimization and revised plant layout, as well as mechanical, nuclear, and thermal-hydraulic design of the mPower reactor core. The staff queried B&W NE about several aspects of the mPower design, including B&W NE's test plans associated with the mechanical components and nuclear design attributes.

The meeting agenda and meeting attendees are included in Enclosures 1 and 2. B&W NE'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 ML11174A094. 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.

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

/RA/

Matthew Humberstone, Project Manager
Advanced Reactor Branch 2
Advanced Reactor Program
Office of New Reactors

Project No: 0776

Enclosures:

1. Agenda
2. List of attendees

cc: DC B&W mPower Mailing List

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

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- 1. Agenda
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NRC-001

OFFICE	PM:NRO/ARP/ARB2	PM:NRO/ARP/ARB2*
NAME	MHumberstone	JStarefos
DATE	6/24/11	6/28/11

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AGENDA

**CLOSED MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION (NRC)
AND BABCOCK & WILCOX (B&W NE)
REGARDING THE MPOWER REACTOR MECHANICAL DESIGN UPDATE AND THE
REACTOR DESIGN AND ANALYSIS UPDATE**

JUNE 22, 2011 – 1:00-3:30PM
ONE WHITE FLINT NORTH, ROOM O-04B06

TIME	TOPIC	LEAD
1:00pm-1:10pm	Opening and Introductions	NRC/B&W NE
1:10pm -3:25pm	<ul style="list-style-type: none">• mPower Reactor Fuel Mechanical Design Update• mPower Reactor Physics Design and Analysis Update	B&W NE
3:25pm-3:30pm	Closing	NRC
3:30pm	Adjourn	NRC

ATTENDANCE LIST

CLOSED MEETING BETWEEN THE NUCLEAR REGULATORY COMMISSION (NRC) AND BABCOCK & WILCOX (B&W NE) REGARDING THE MPOWER REACTOR MECHANICAL DESIGN UPDATE AND THE REACTOR DESIGN AND ANALYSIS UPDATE

JUNE 22, 2011 – 1:00-3:30PM
ONE WHITE FLINT NORTH, ROOM O-04B06

NAME	ORGANIZATION
Don Algama	NRC/RES/FSTB
Eric Barringer	B&W NE
Vince Bilovsky	B&W NE
Thomas Boyle	NRC/NRO/ARP
Mike Childerson	B&W NE
Jean-Claude Dehmel	NRC/DCIP/CHPB
Stephanie Devlin	NRC/NRO/ARP
Andrzej Drozd	NRO/SBCU
Madalina Erighin	B&W NE
Istvan Frank	NRO/DSA/NARB
James Gilmer	NRC/NRO/DSRA/SRSB
Jeff Halfinger	B&W NE
Michelle Hayes	NRO/DSRA/SRSB
Craig Hoying	NRC/NRO/ARP
Nathanael Hudson	NRC/RES/DSA/CDB
Matt Humberstone	NRC/NRO/ARP
TJ Kim	B&W
Tuan Le	NRC/NRO/DE/EMBI
Peter Lien	NRC/RES/DSA
Shanlai Lu	NRC/NRO/DSRA/SRSB
Stewart Magruder	NRC/NRO/ARP
Jan Mazza	NRC/NRO/ARP
Gary Neeley	B&W NE
Steve Pope	B&W NE
Chester Poslusny	B&W NE
Jeff Schmidt	NRC/NRO/DSRA/SRSB
Stephen Scoles	B&W NE
Ray Skarda	RES/DSA/NARB
Daniel Speaker	B&W NE
Tom Spink	TVA
Joelle Starefos	NRC/NRO/ARP/ARB2
Courtney St. Peters	NRC/NRO/ARP
Ryan Wagner	NRO/DNRL/NPLS
Carl Weber	NRC/NRO/DCIP
Steve Williams	NRC/CHPB

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