

December 13, 2011

COMPANY: BABCOCK & WILCOX NUCLEAR ENERGY
DESIGN: MPOWER REACTOR DESIGN
SUBJECT: SUMMARY OF OCTOBER 27, 2011, PUBLIC AND CLOSED MEETING WITH
BABCOCK & WILCOX REGARDING CYBER SECURITY AND
REACTORCOOLANT PUMP DESIGN OVERVIEW

On October 27, 2011, staff from the U.S. Nuclear Regulatory Commission (NRC) met with representatives from Babcock & Wilcox Nuclear Energy, Inc. (B&W NE) at the Legacy Hotel & Meeting Centre in Rockville, Maryland. The purpose of the meeting was to discuss the mPower cyber security program and for B&W NE to provide an update of the mPower reactor coolant pump design. Enclosures 1 and 2 are the meeting agenda and meeting attendees, respectively. A summary of the meeting is included below.

During the public portion of the meeting B&W NE described the mPower instrumentation and control (I&C) system as it relates to cyber security development. B&W NE is planning to submit a technical report to illustrate compliance of mPower design and operational plans with applicable cyber security regulatory requirements. In addition, key cyber security characteristics including security level boundaries, access controls, and defense-in-depth protection were discussed during the meeting. In response to questions from the NRC staff, B&W NE clarified that the I&C design will incorporate security level boundaries that segregate the safety, control, and management functions, and that there are no plans to use wireless communication for plant operation.

During the closed portion of the meeting, B&W NE provided a description of the reactor coolant pumps conceptual design and arrangement. B&W NE discussed the reactor coolant pump design process, components, and design data.

The B&W NE slide presentations are available through the Agencywide Documents Access and Management System (ADAMS). ADAMS accession number for the slides on cyber security is ML11301A092 and the redacted version of the slide presentation for the reactor coolant pump design is ML11301A091. 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 and may be reached by typing the following URL into your web browser: <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 301-415-1519, email Yanely.Malave@NRC.gov, or Joelle Starefos at 301-415-6091, email Joelle.Starefos@nrc.gov.

Sincerely,

/RA Jan Mazza for/

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

Docket No.: PROJ0776

Attachments: 1. Agenda
2. Attendance List

cc w/encl: B&W mPower Mailing List

Please direct any inquiries to me at 301-415-1519, email Yanely.Malave@NRC.gov, or Joelle Starefos at 301-415-6091, email Joelle.Starefos@nrc.gov.

Sincerely,

/RA Jan Mazza for/

Yanely Malave-Velez, Project Manager
Advanced Reactor Branch 2
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**AGENDA FOR MEETING BETWEEN BABCOCK & WILCOX (B&W)
AND THE U.S. NUCLEAR REGULATORY COMMISSION (NRC) STAFF**

OCTOBER 27, 2011

Time	Topic		Lead
1:00 pm – 1:10 pm	Public Session	Opening Remarks & Introductions	NRC
1:10 pm – 2:10 pm		Cyber Security	B&W
2:10 pm – 2:20 pm		Public Comment	NRC
2:20 pm – 2:30 pm		Break	All
2:30 pm – 4:00 pm	Closed Session	Reactor Coolant Pump Design Overview	B&W
4:00 pm		Adjourn	NRC

ATTENDANCE LIST

PUBLIC AND CLOSED MEETING WITH BABCOCK & WILCOX REGARDING CYBER SECURITY AND REACTOR COOLANT PUMP DESIGN OVERVIEW

OCTOBER 27, 2011

Name	Organization
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Bob Davis	NRC
Brian Arnholt	B&W
Carl Weber	NRC
Charles Fisher	Northrop Grumman
Chet Poslusny	B&W NE
Chris Der	B&W NE
Chris Massaro	Northrop Grumman
David Keene	Northrop Grumman
Eric Lee	NRC
Erik M Martinez	NRC
Itsvan Frankl	NRC
Jan Mazza	NRC
Jean-Claude Dehmel	NRC
Jeff Halfinger	B&W NE
Jim Gilmer	NRC
Joel Jenkins	NRC
Joelle Starefos	NRC
John Honcharik	NRC
Mark Godden	B&W NE
Mark Notich	NRC
Mike Edwards	B&W NE
Peter Hastings	GmP
Rick Bonsall	GmP
Ron LaVera	NRC
Ross Moore	NRC
Shanlai Lu	NRC
Steve Love	TVA
Steve Williams	NRC
Steven Pope	B&W NE
Tom Spink	TVA
Troy Nguyen	Northrop Grumman
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(Revised 11/16/2011)

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