

June 9, 2011

COMPANY: BABCOCK & WILCOX COMPANY

DESIGN: MPOWER REACTOR DESIGN

SUBJECT: SUMMARY OF JANUARY 19, 2011, PUBLIC MEETING WITH THE NUCLEAR REGULATORY COMMISSION STAFF AND BABCOCK & WILCOX COMPANY TO DISCUSS THE MPOWER CORE NUCLEAR DESIGN CODES AND METHODS QUALIFICATION TOPICAL REPORT (TAC NO.RN6075)

On January 19, 2011, staff from the U.S. Nuclear Regulatory Commission (NRC) met with representatives from the Babcock & Wilcox (B&W) Company, at NRC Headquarters in Rockville, MD. The purpose of the meeting was to discuss the B&W mPower design topical report R003-03-002106 entitled, "Core Nuclear Design Codes and Methods Qualification" provided to the NRC staff for review on August 31, 2010. The Agencywide Document Access and Management System (ADAMS) accession number for the report is ML102450302.

B&W submitted topical report R003-03-002106 in August 2010, seeking NRC approval for the use of the codes and nuclear computational methodology for performing future design calculations for the B&W mPower reactor core. During the NRC staff acceptance review of the topical report, the staff questioned the scope of the safety finding addressed by B&W's topical report. A telephone conference call with B&W staff was held on January 11, 2011, to discuss the scope and detail of the information provided in the topical report. Discussion points were developed by the NRC staff and provided to B&W in an email dated January 6, 2011 (ADAMS accession number ML110070819). The staff was concerned that while the current content of the topical report was certainly a necessary element to a reasonable assurance finding on the applicability of the core management system suite to the mPower nuclear design, it was not yet sufficient to complete the scope of the review requested by B&W.

On January 19, 2011, the NRC staff and B&W representative met to discuss the scope of the requested review and identify what supplemental information would be necessary to continue the staff's acceptance review of topical report R003-03-002106. Subsequent to the meeting, in a letter dated January 28, 2011, B&W communicated plans to supplement the topical report in February 2012 and requested the staff to continue its acceptance review upon receipt of the supplemental information (ADAMS accession number ML110310455).

The meeting agenda and meeting attendees are included in Enclosures 1 and 2. B&W's slide presentation is available at ADAMS accession number ML110200099. 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 staff at 1-800-397-4209, 301-415-4737, or [pdr@nrc.gov](mailto:pdr@nrc.gov).

Please direct any inquiries to Joelle Starefos at 301-415-6091, or email [Joelle.Starefos@nrc.gov](mailto:Joelle.Starefos@nrc.gov), or Yanely Malave at 301-415-1519, or email [Yanely.Malave@nrc.gov](mailto:Yanely.Malave@nrc.gov).

Sincerely,

*/RA/*

Joelle L. Starefos, Senior Project Manager  
Advanced Reactor Branch 2  
Advanced Reactor Program  
Office of New Reactors

Docket No.: PROJ0776

Enclosure:

1. Agenda
2. Attendance List

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

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Please direct any inquiries to Joelle Starefos at 301-415-6091, or email [Joelle.Starefos@nrc.gov](mailto:Joelle.Starefos@nrc.gov), or Yanely Malave at 301-415-1519, or email [Yanely.Malave@nrc.gov](mailto:Yanely.Malave@nrc.gov).

Sincerely,

*/RA/*

Joelle L. Starefos, Senior Project Manager  
Advanced Reactor Branch 2  
Advanced Reactor Program  
Office of New Reactors

Docket No.: PROJ0776

Enclosure:

- 1. Agenda
- 2. Attendance List

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

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**NRC-001**

OFFICE	PM:NRO/ARP/ARB2	PM:NRO/ARP/ARB2
NAME	YMalave	JStarefos
DATE	06/7/2011	06/9/2011

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## AGENDA

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

JANUARY 19, 2011  
1:00 p.m. – 4:00 p.m.

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
1:00 p.m. – 1:05 p.m.	Opening Remarks & Introductions	NRC/B&W
1:05 p.m. – 1:30 p.m.	Overview of B&W mPower Design Features in Support of Discussion	B&W
1:30 p.m. – 3:50 p.m.	Discuss Topical Report R003-03-002106	B&W
3:50 p.m. – 3:55 p.m.	Opportunity for Public Comment	NRC
3:55 p.m. – 4:00 p.m.	Adjourn	NRC

## ATTENDANCE LIST

Public Meeting Between Babcock & Wilcox (B&W) and the U.S Nuclear Regulatory  
Commission (NRC)  
to Discuss the mPower Core Nuclear Design Codes and Methods  
Qualification Topical Report  
January 19, 2011 1:00pm – 4:00pm

Name	Organization
Chester Poslusny	B&W
Dudley Raine	B&W
Gary Neeley	B&W
Hassan Hassan	B&W
Jeff Halfinger	B&W
Mike Childerson	B&W
Steven Pope	B&W
TJ Kim	B&W
Vince Bilovsky	B&W
Jim Saldarini	Bechtel
Dan Shulman	Enercon
Ken Fletcher	Exchange Monitor Pub.
Jeannie Rinckel	First Energy
Andrew Bielen	NRC
David Diec	NRC
Don Algama	NRC
Edward Stutzcage	NRC
Eric Miller	NRC
Jeffrey Schmidt	NRC
Joelle Starefos	NRC
Kerri Kavagnah	NRC
Michael Norato	NRC
Peter Lien	NRC
Richard Lee	NRC
Ron LaVera	NRC
Ryan Wagner	NRC
Shanlai Lu	NRC
Stewart Magruder	NRC
Syed Haider	NRC
Tamara Powell	NRC
Tony Attard	NRC
Yanely Malave	NRC
Steven Mirsky	NuScale Power Inc.
Ugur Mertiyorek	ORNL
Andrea Sterdis	TVA

DC B&W mPower Mailing List

cc:

Mr. Lionel Batty  
Nuclear Business Team  
Graftech  
12300 Snow Road  
Parma, OH 44130

Russell Bell  
Nuclear Energy Institute  
1776 I Street, NW  
Suite 400  
Washington, DC 20006-3708

Mr. Robert E. Sweeney  
IBEX ESI  
4641 Montgomery Avenue  
Suite 350  
Bethesda, MD 20814

Mr. Ian M. Grant  
Canadian Nuclear Safety Commission  
280 Slater Street, Station B  
P.O. Box 1046  
Ottawa, Ontario  
K1P 5S9

Mr. Eugene S. Grecheck  
Vice President  
Nuclear Support Services  
Dominion Energy, Inc.  
5000 Dominion Blvd.  
Glen Allen, VA 23060

Michael L. Hammond  
Technological Hazards Program Office  
Radiological Emergency Preparedness  
Program, Region X  
U.S. Department of Homeland Security  
130 228<sup>th</sup> Street, SW  
Bothell, WA 98021

Mr. Brendan Hoffman  
Research Associate on Nuclear Energy  
Public Citizens Critical Mass Energy and  
Environmental Program  
215 Pennsylvania Avenue, SE  
Washington, DC 20003

Mr. Dobie McArthur  
Director, Washington Operations  
General Atomics  
1899 Pennsylvania Avenue, NW  
Suite 300  
Washington, DC 20006

Mr. David Repka  
Winston & Strawn LLP  
1700 K Street, NW  
Washington, DC 20006-3817

Carlos Sisco  
Senior Paralegal  
Winston & Strawn LLP  
1700 K Street NW  
Washington, DC 20006

## DC B&W mPower Mailing List

### Email

Alan.Levin@areva.com (Alan Levin)  
APH@NEI.org (Adrian Heymer)  
asi@ornl.gov (Anita Benn)  
awc@nei.org (Anne Cottingham)  
badwan@lanl.gov (Faris Badwan)  
bevans@enercon.com (Bob Evans)  
BrinkmCB@westinghouse.com (Charles Brinkman)  
cee@nei.org  
charles.bagnal@ge.com (Charles Bagnal)  
collinlj@westinghouse.com (Leslie Collins)  
curtisslaw@gmail.com (Jim Curtiss)  
david.hinds@ge.com (David Hinds)  
david.lewis@pillsburylaw.com (David Lewis)  
deborah@hyperionpowergeneration.com (Deborah Ann Blackwell)  
ed.burns@earthlink.net (Ed Burns)  
elyman@ucsusa.org (Ed Lyman)  
erg-xl@cox.net (Eddie R. Grant)  
ewallace@nuscalepower.com (Ed Wallace)  
F.Shahrokhi@AREVA.Com (Farshid Shahrokhi)  
flowerspa@ornl.gov (Paula Flowers)  
gcesare@enercon.com (Guy Cesare)  
jahalfinger@babcock.com (Jeff Halfinger)  
james.beard@gene.ge.com (James Beard)  
jason.parker@pillsburylaw.com (Jason Parker)  
jcsaldar@bechtel.com (James Saldarini)  
jerald.head@ge.com (Jerald G. Head)  
Jim.Kinsey@inl.gov (James Kinsey)  
jim.riccio@wdc.greenpeace.org (James Riccio)  
JNR@NuScalePower.com (Jose N. Reyes)  
klingscl@westinghouse.com (Charles King)  
kouhestani@msn.com (Amir Kouhestani)  
KSutton@morganlewis.com (Kathryn M. Sutton)  
Kwelter@NuScalePower.com (Kent Welter)  
lchandler@morganlewis.com (Lawrence J. Chandler)  
maria.webb@pillsburylaw.com (Maria Webb)  
mark.beaumont@wsms.com (Mark Beaumont)  
mark.g.giles@dom.com (Mark Giles)  
mark.holbrook@inl.gov (Mark Holbrook)  
mark@npva.net  
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)  
murawski@newsobserver.com (John Murawski)  
mwetterhahn@winston.com (M. Wetterhahn)  
patriciaL.campbell@ge.com (Patricia L. Campbell)  
Paul@beyondnuclear.org (Paul Gunter)

DC B&W mPower Mailing List

PLorenzini@NuScalePower.com (Paul Lorenzini)  
pshastings@duke-energy.com (Peter Hastings)  
rbarrett@astminc.com (Richard Barrett)  
RSnuggerud@NuScalePower.com (Ross Snuggerud)  
sandra.sloan@areva.com (Sandra Sloan)  
sfrantz@morganlewis.com (Stephen P. Frantz)  
shobbs@enercon.com (Sam Hobbs)  
spellmandj@ornl.gov (Donald J. Spellman)  
stephan.moen@ge.com (Stephan Moen)  
steven.hucik@ge.com (Steven Hucik)  
steven.m.mirsky@saic.com (Steve Mirsky)  
Tansel.Selekler@nuclear.energy.gov (Tansel Selekler)  
tfeigenb@bechtel.com (Ted Feigenbaum)  
tgado@roe.com (Burns & Roe)  
TJKim@babcock.com (T.J. Kim)  
tom.miller@hq.doe.gov (Tom Miller)  
tom.miller@nuclear.energy.gov (Thomas P. Miller)  
tommy\_pe2001@yahoo.com (Tommy Le)  
trsmith@winston.com (Tyson Smith)  
Vanessa.quinn@dhs.gov (Vanessa Quinn)  
whorin@winston.com (W. Horin)