

May 10, 2013

COMPANY: BABCOCK & WILCOX MPOWER, INC.
DESIGN: MPOWER™ REACTOR DESIGN
SUBJECT: SUMMARY OF FEBRUARY 28, 2013, CLOSED MEETING WITH
BABCOCK & WILCOX MPOWER INC. REGARDING THE AMERICAN
SOCIETY OF MECHANICAL ENGINEERS CODE UPDATE, AND
REACTOR INTERNALS OVERVIEW

On February 28, 2013, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC), and representatives of Babcock & Wilcox mPower, Inc. (B&W mPower) at NRC Headquarters, Two White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was to discuss the American Society of Mechanical Engineers (ASME) code as it is being applied to the mPower™ design and an update of reactor vessel and internals design.

B&W mPower presented information on the mPower™ ASME code update, as well as, the reactor vessel and internals updates. The staff queried B&W mPower about several aspects of the ASME code, the interactions B&W mPower has had with ASME committees, and the changes to the reactor vessel and internals. The staff requested that B&W mPower provide copies of the presentations from their interactions with the ASME. The staff questioned how B&W mPower would handle the riser component since the ASME code doesn't specifically reference that component. The staff reinforced that the level of detail the design certification application needs to be complete and address how B&W mPower's approach is consistent with the requirements.

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 ML13043A008. 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.

-2-

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

Sincerely,

/RA/

Matthew J. Humberstone, Project Manager
Small Modular Reactor Licensing Branch 1
Division of Advanced Reactors and
Rulemaking
Office of New Reactors

Project No.: 0776

Enclosure:

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, email Joelle.Starefos@nrc.gov.

Sincerely,

/RA/

Matthew J. Humberstone, Project Manager
Small Modular Reactor Licensing Branch 1
Division of Advanced Reactors and
Rulemaking
Office of New Reactors

Project No.: 0776

Enclosure:

- 1. Agenda
- 2. List of Attendees

cc: DC B&W mPower Mailing List

DISTRIBUTION:

Public
 RidsNroDarrResource
 RidsNroDarrSmrlb1 Resource
 RidsAcrsAcnw_MailCenter
 RidsOgcMailCenter Resource
 RidsOpaMailCenter Resource

ADAMS ACCESSION NO.: ML13063A137

NRC-001

OFFICE	PM:NRO/DARR/SMRLB1	PM:NRO/DARR/SMRLB1
NAME	MHumberstone	JStarefos (YMalave for)
DATE	03/4/2013	05/10/2013

OFFICIAL RECORD COPY

AGENDA

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

FEBRUARY 28, 2013; 1:00PM-4:00PM

TWO WHITE FLINT NORTH, ROOM T-07A01

TIME	TOPIC	LEAD
1:00pm-1:05pm	Opening Remarks & Introductions	NRC/B&W
1:05pm-2:00pm	American Society of Mechanical Engineers (ASME) Update	B&W
2:00pm-2:15pm	Break	NRC
2:15pm-3:50pm	Reactor Internal Update	B&W
3:50pm-4:00pm	Conclusion	NRC/B&W
4:00pm	Adjourn	NRC

ATTENDANCE LIST

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

FEBRUARY 28, 2013; 1:00PM-4:00PM
TWO WHITE FLINT NORTH, ROOM T-07A01

NAME	ORGANIZATION
Anne-Marie Grady	NRC/NRO/DSRA/SCVB
Carl Weber	NRC/NRO/DCIP
Courtney St. Peters	NRC/NRO/DARR
Dave Kanuch	B&W mPower
David Terao	NRC/NRO/DE/CIB
Eric Reichelt	NRC/NRO/DE/CIB
George Thomas	NRC/NRO/DSRA/SRSB
Greg Makar	NRC/NRO/DE/CIB
Ian Tseng	NRC/NRO/DE/EMB
Jason Huang	NRC/NRO/DE/EMB
Jim Strnisha	NRC/NRO/DE
Joel Jenkins	NRC/NRO/DE
Joelle Starefos	NRC/NRO/DARR
John Budzynski	NRC/NRO
John Honcharik	NRC/NRO/DE
John Wu	NRC/NRO/DE/EMB
K. Robert Hsu	NRC/NRO/DE/EMB
Matt Ales	B&W mPower
Matt Humberstone	NRC/NRO/DARR
Mike Childerson	B&W mPower
Mike Edwards	B&W mPower
Mike McCoppin	NRC/NRO/DSEA/RPAC
Neil Ray	NRC/NRO/DE/CIB
Pei-Ying Chen	NRC/NRO/DE/EMB
Robert Davis	NRC/NRO/DE
Ron LaVera	NRC/NRO/DSEA/RPAC
Ronald Crews	NRC/OCHCO
Ross Moore	NRC/NRO/DARR
Salman Haq	NRC/OCHCO
Sandra Sloan	B&W mPower
Scott Bussey	NRC/OCHCO

Sergio Gonzalez	NRC/RES/DSA/AAB
Steve Schilthelm	B&W mPower
Steven Downey	NRC/NRO/DE/CIB
Steven Pope	B&W mPower
Stewart Magruder	NRC/NRO/DARR
Thomas Scarbrough	NRC/NRO/DE/CIB
Timothy Steingass	NRC/NRO
Yanely Malave	NRC/NRO/DARR
Yuken Wong	NRC/NRO/DE/EMB
Zachary Gran	NRC/NRO/DSEA/RPAC

DC B&W mPower Mailing List

(Revised 03/07/2013)

cc:

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

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

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

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

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)
cee@nei.org
charles.bagnal@ge.com (Charles Bagnal)
collinlj@westinghouse.com (Leslie Collins)
cposlusny@babcock.com (Chester Poslusny)
curtisslaw@gmail.com (Jim Curtiss)
d.weaver@holtec.com (Doug Weaver)
david.hinds@ge.com (David Hinds)
david.lewis@pillsburylaw.com (David Lewis)
dlfulton@southernco.com (Dale Fulton)
don.tormey@iub.iowa.gov
dsafer@comcast.net (Don Safer)
duane.fournier@iub.iowa.gov
ed.burns@earthlink.net (Ed Burns)
elyman@ucsusa.org (Ed Lyman)
erg-xl@cox.net (Eddie R. Grant)
ewallace@nuscalepower.com (Ed Wallace)
exa@nei.org (Ellen Anderson)
F.Shahrokhi@AREVA.Com (Farshid Shahrokhi)
flowerspa@ornl.gov (Paula Flowers)
frank.bodine@oca.iowa.gov (Frank Bodine)
gcesare@enercon.com (Guy Cesare)
gmokulczyk@energysolutions.com (Gair Okulczyk)
gmorg50@hotmail.com (Garry Morgan)
jahalfinger@babcock.com (Jeff Halfinger)
james1.beard@ge.com (James Beard)
jason.parker@pillsburylaw.com (Jason Parker)
jason.tokey@nuclear.energy.gov (Jason Tokey)
jcsaldar@bechtel.com (James Saldarini)
jerald.head@ge.com (Jerald G. Head)
Jim.Kinsey@inl.gov (James Kinsey)
jim.sundermeyer@iub.iowa.gov
JNR@NuScalePower.com (Jose N. Reyes)
kerri.johannsen@iub.iowa.gov
klingscl@westinghouse.com (Charles Kling)
kouhestani@msn.com (Amir Kouhestani)
krrowe@tva.gov (Kevin R. Rowe)
KSutton@morganlewis.com (Kathryn M. Sutton)
Kwelter@NuScalePower.com (Kent Welter)

DC B&W mPower Mailing List

larry.shi@oca.iowa.gov (Larry Shi)
larry.stevens@iub.iowa.gov
laura.andrews@CNSC-CCSN.GC.CA (Laura Andrews)
lchandler@morganlewis.com (Lawrence J. Chandler)
lgorenflo@gmail.com (L. Gorenflo)
libby.jacobs@iub.iowa.gov
luther.jones@dzatlantic.com (Luther B. Jones)
mack.thompson@iub.iowa.gov
maria.webb@pillsburylaw.com (Maria Webb)
mark.a.giles@dom.com (Mark Giles)
mark.beaumont@wsms.com (Mark Beaumont)
mark.holbrook@inl.gov (Mark Holbrook)
mark@npva.net
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
murawski@newsobserver.com (John Murawski)
parveen.baig@iub.iowa.gov
patriciaL.campbell@ge.com (Patricia L. Campbell)
Paul@beyondnuclear.org (Paul Gunter)
PLorenzini@NuScalePower.com (Paul Lorenzini)
poorewpiil@ornl.gov (Willis P. Poore III)
pshastings@generationmpower.com (Peter Hastings)
rbarrett@astminc.com (Richard Barrett)
rnicholas@ge.com (Robert Nicholas)
ronald.polle@oca.iowa.gov
RSnuggerud@NuScalePower.com (Ross Snuggerud)
Sandra@sandrakgoss.com (Sandra Goss)
sara@cleanenergy.org
sfrantz@morganlewis.com (Stephen P. Frantz)
shobbs@enercon.com (Sam Hobbs)
smirsky@nuscalepower.com (Steve Mirsky)
smsloan@babcock.com (Sandra Sloan)
spellmandj@ornl.gov (Donald J. Spellman)
stan.wolf@iub.iowa.gov
stephan.moen@ge.com (Stephan Moen)
t.sensue@holtec.com (Terry Sensue)
Tansel.Selekler@nuclear.energy.gov (Tansel Selekler)
tfeigenbaum@generationmpower.com (Ted Feigenbaum)
tgado@roe.com (Burns & Roe)
timothy.beville@nuclear.energy.gov (Timothy Beville)
tom.miller@hq.doe.gov (Tom Miller)
tom.miller@nuclear.energy.gov (Thomas P. Miller)
TomClements329@cs.com (Tom Clements)
tommy_le2001@yahoo.com (Tommy Le)
trsmith@winston.com (Tyson Smith)
Vanessa.quinn@dhs.gov (Vanessa Quinn)

DC B&W mPower Mailing List

W.E.SMIT@southernco.com (William Smith)
whorin@winston.com (W. Horin)