

April 7, 2011

APPLICANT: MITSUBISHI HEAVY INDUSTRIES, LTD.

APPLICATION: UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR
STANDARD DESIGN CERTIFICATION REVIEW

SUBJECT: SUMMARY OF THE JANUARY 20, 2011, PUBLIC MEETING WITH
MITSUBISHI HEAVY INDUSTRIES, LTD. TO DISCUSS TIER 1 AND
INSPECTION, TEST, ANALYSIS AND ACCEPTANCE CRITERIA
ENHANCEMENTS FOR THE UNITED STATES - ADVANCED
PRESSURIZED WATER REACTOR DESIGN CERTIFICATION
DOCUMENT, REVISION 3

On January 20, 2011, a public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and Mitsubishi Heavy Industries, Ltd. (MHI). The NRC staff had previously issued a public meeting notice dated January 6, 2011, as documented in the Agencywide Documents Access and Management System (ADAMS) under accession number ML110060180. The meeting notice includes the meeting agenda. The meeting agenda includes Tier 1 and Inspection, Test, Analysis and Acceptance Criteria (ITAAC) Enhancements discussion for Design Certification Document (DCD) Tier 1 Sections 2.6.1, 2.6.2, 2.6.3, 2.6.4, 2.6.5, 2.6.6, 2.6.7, and 2.6.8.

The NRC conducted this meeting, as requested by MHI, to provide the basis and approach used in making the DCD Tier 1 and ITAAC changes referred to as enhancements. During the meeting, MHI provided explanations for its DCD Tier 1 changes using the Tier 1 Change Explanation/Basis Documents and the draft Tier 1 DCD, Revision 3 Document for each section listed in the meeting agenda. This information included both a background for the changes and a roadmap for where all of the changes were made in the DCD Tier 1 sections. The key issues discussed are summarized below. Enclosure 1 provides a list of attendees. The presentation material provided by MHI is located in ADAMS under accession number ML110380293 and is provided as Enclosure 2.

The NRC staff raised a question regarding DCD Tier 1 Section 2.6.5, "Alternate AC (AAC) Power Source", where Item #12 in Table 2.6.5-1 was deleted. The NRC staff asked why Item #12, regarding the reliability of alternate alternating current (AAC), was deleted. The NRC staff also raised a concern regarding the DCD Tier 1 and ITAAC changes addressed in Request for Additional Information (RAI) responses that have been previously accepted by the NRC staff and captured in their safety evaluations. The NRC staff also requested that MHI provide an explanation for the RAI response change in the DCD Tier 1 Basis Changes Documents instead of only mentioning that the RAI response has been changed based on the DCD Tier 1 or ITAAC change. Based on this issue, MHI will provide a strategy for updating all of the affected RAI responses that have been changed due to the DCD Tier 1 and ITAAC enhancements. This will be addressed by MHI after DCD, Revision 3 has been submitted.

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At end of the meeting, the NRC staff agreed to review the sections discussed and to provide additional feedback regarding the proposed Tier 1 changes that were presented at the meeting. The NRC staff later requested MHI to clarify DCD Tier 1 Section 2.6 changes. MHI's response to the NRC staff's clarification request, and other topics discussed can be found in the ADAMS under accession number ML110600339 and is provided as Enclosure 3.

Please direct any inquiries to me at 301-415-6695, or via e-mail at Ngola.Otto@nrc.gov.

Sincerely,

/RA/

Ngola Otto, Project Manager
US-APWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket No. 52-021

Enclosures:
As stated

cc w/encls: See next page

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Sincerely,

/RA/

Ngola Otto, Project Manager
US-APWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

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cc w/encls: See next page

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PKallan, NRO	APal, NRO	
RFitzpatrick, NRO	SLee, NRO	

ADAMS Accession No.: ML110620352; *via e-mail

NRC-001

OFFICE	DNRL/NMIP: PM	DNRL/NMIP: LA	DNRL/NMIP: PM	DNRL/NMIP: PM
NAME	NOtto	CSmith*	(HHamzehee for) JCiocco	NOtto (signed)
DATE	03/07/2011	03/10/2011	04/07/2011	04/07/2011

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List of Attendees

Meeting with Mitsubishi Heavy Industries, Ltd. to discuss Tier 1 and Inspections, Tests, Analysis and Acceptance Criteria Enhancements for the United States - Advanced Pressurized Water Reactor Design Certification Document, Revision 3, dated January 20, 2011

<u>NAME</u>	<u>AGENCY/AFFILIATION</u>
Tom Cerafici	Bechtel / Dominion Virginia Power
Lynn Van-Derpoel	Bechtel / Dominion Virginia Power
Steve Routh	Bechtel / Dominion Virginia Power
Gina Borsh	Dominion Virginia Power
Joe Hegner	Dominion Virginia Power
Thomas Hatz	Dominion Virginia Power
Tom Williamson	Enercon / Dominion Virginia Power
Al Schneider	Enercon / Dominion Virginia Power
Donald Woodlan	Luminant Generation Company, LLC.
Takashi Yamaguchi	Mitsubishi Heavy Industries, Ltd.
Masato Oba	Mitsubishi Heavy Industries, Ltd.
Bob Peters	Mitsubishi Heavy Industries, Ltd.
Hossein Hamzehee	U.S. Nuclear Regulatory Commission
Michael Takacs	U.S. Nuclear Regulatory Commission
Tania Martinez-Navedo	U.S. Nuclear Regulatory Commission
Paul Kallan	U.S. Nuclear Regulatory Commission
Robert Fitzpatrick	U.S. Nuclear Regulatory Commission
Ngola Otto	U.S. Nuclear Regulatory Commission
Raul Hernandez	U.S. Nuclear Regulatory Commission
Amar Pal	U.S. Nuclear Regulatory Commission
Samuel Lee	U.S. Nuclear Regulatory Commission

DC Mitsubishi - US APWR Mailing List
cc:

(Revised 04/06/2011)

Ms. Michele Boyd
Legislative Director
Energy Program
Public Citizens Critical Mass Energy
and Environmental Program
215 Pennsylvania Avenue, SE
Washington, DC 20003

Mr. Gary Wright, Director
Division of Nuclear Facility Safety
Illinois Emergency Management Agency
1035 Outer Park Drive
Springfield, IL 62704

Atsushi Kumaki
Mitsubishi Heavy Industries, Ltd.
APWR Promoting Department
Wadasaki-cho- 1-1-1, Hyogo-ku
Kobe 652-8585 JAPAN

Dr. Masanori Onozuka
Mitsubishi Nuclear Energy Systems, Inc.
1001 19th Street North, Suite 710
Arlington, VA 22201-5426

Dr. C. Keith Paulson
Mitsubishi Nuclear Energy Systems, Inc.
300 Oxford Drive, Suite 301
Monroeville, PA 15146

Mr. Tom Sliva
7207 IBM Drive
Charlotte, NC 28262

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

Mr. Ed Wallace
General Manager - Projects
PBMR Pty LTD
P. O. Box 9396
Centurion 0046
Republic of South Africa

DC Mitsubishi - US APWR Mailing List

Email

APH@NEI.org (Adrian Heymer)
atsushi_kumaki@mhi.co.jp (Atsushi Kumaki)
awc@nei.org (Anne W. Cottingham)
bgattoni@roe.com (William (Bill) Gattoni))
BrinkmCB@westinghouse.com (Charles Brinkman)
ck_paulson@mnes-us.com (C Keith Paulson)
ckpaulson@aol.com (C.K. Paulson)
CumminWE@Westinghouse.com (Edward W. Cummins)
cwaltman@roe.com (C. Waltman)
david.hinds@ge.com (David Hinds)
david.lewis@pillsburylaw.com (David Lewis)
DeLaBarreR@state.gov (R. DeLaBarre)
Derinda.Bailey@chguernsey.com (Derinda Bailey)
donald.woodlan@luminant.com (Donald Woodlan)
eliza.seedcoalition@gmail.com (Elza Brown)
erg-xl@cox.net (Eddie R. Grant)
f.tanaka@mnes-us.com
gcesare@enercon.com (Guy Cesare)
james.beard@gene.ge.com (James Beard)
jerald.head@ge.com (Jerald G. Head)
jim.riccio@wdc.greenpeace.org (James Riccio)
Joseph_Hegner@dom.com (Joseph Hegner)
jrund@morganlewis.com (Jonathan Rund)
KSutton@morganlewis.com (Kathryn M. Sutton)
kwaugh@impact-net.org (Kenneth O. Waugh)
lchandler@morganlewis.com (Lawrence J. Chandler)
lon.burnam@house.state.tx.us (Lon Burnam)
m.goto@mnes_us.com
Marc.Brooks@dhs.gov (Marc Brooks)
maria.webb@pillsburylaw.com (Maria Webb)
mark.beaumont@wsms.com (Mark Beaumont)
Mark.Crisp@chguernsey.com (Mark Crisp)
mark.vannoy@mnes-us.com
masahiko_kaneda@mhi.co.jp (Masahiko Kaneda)
masanori_onozuka@mnes-us.com (Masanori Onozuka)
masato.oba@mnes-us.com
masayuki_kambara@mhi.co.jp (Masayuki Kambara)
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)
mayorsouthern@granbury.org (Mayor David Southern)
media@nei.org (Scott Peterson)
mike_moran@fpl.com (Mike Moran)
MSF@nei.org (Marvin Fertel)
mutsumi_ishida@mnes-us.com (Mutsumi Ishida)
mwetterhahn@winston.com (M. Wetterhahn)

DC Mitsubishi - US APWR Mailing List

nan_sirirat@mnes-us.com (Sirirat Mongkolkam)
nirsnet@nirs.org (Michael Mariotte)
Nuclaw@mindspring.com (Robert Temple)
patriciaL.campbell@ge.com (Patricia L. Campbell)
paul.gaukler@pillsburylaw.com (Paul Gaukler)
Paul@beyondnuclear.org (Paul Gunter)
pbessette@morganlewis.com (Paul Bessette)
plarimore@talisman-intl.com (Patty Larimore)
pshastings@duke-energy.com (Peter Hastings)
RJB@NEI.org (Russell Bell)
Russell.Wells@Areva.com (Russell Wells)
ryan_sprengel@mnes-us.com (Ryan Sprengel)
sabinski@suddenlink.net (Steve A. Bennett)
sandra.sloan@areva.com (Sandra Sloan)
satoshi_hanada@mnes-us.com (Satoshi Hanada)
satoshi_watanabe@mnes-us.com (Satoshi Watanabe)
sfrantz@morganlewis.com (Stephen P. Frantz)
shinji_kawanago@mnes-us.com (Shinji Kawanago)
stephan.moen@ge.com (Stephan Moen)
steven.hucik@ge.com (Steven Hucik)
strambgb@westinghouse.com (George Stramback)
Tansel.Selekler@nuclear.energy.gov (Tansel Selekler)
tgilder1@luminant.com (Tim Gilder)
tmatthews@morganlewis.com (T. Matthews)
tom.miller@hq.doe.gov (Tom Miller)
trsmith@winston.com (Tyson Smith)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
vijukrp@westinghouse.com (Ronald P. Vijuk)
Wanda.K.Marshall@dom.com (Wanda K. Marshall)
whorin@winston.com (W. Horin)
yoshiki_ogata@mhi.co.jp (Yoshiki Ogata)