

August 14, 2012

APPLICANT: MITSUBISHI HEAVY INDUSTRIES, LTD.

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

SUBJECT: SUMMARY OF THE APRIL 19, 2012, PUBLIC TELECONFERENCE  
WITH MITSUBISHI HEAVY INDUSTRIES, LTD. TO DISCUSS  
REMAINING ISSUES IN CHAPTER 19, "PROBABILISTIC RISK  
ASSESSMENT AND SEVERE ACCIDENT EVALUATION"

On April 19, 2012, a Category 1 public teleconference was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Mitsubishi Heavy Industries, Ltd. (MHI). The meeting notice was issued on March 22, 2012, and was documented in the Agencywide Documents Access and Management System under accession number ML12089A390. The purpose of the meeting was to discuss remaining issues in Chapter 19, "Probabilistic Risk Assessment and Severe Accident Evaluation," for the United States - Advanced Pressurized Water Reactor (US-APWR) design control document (DCD) phase two review. A list of attendees is provided as an enclosure.

During the teleconference, the staff discussed MHI's responses to Request for Additional Information (RAI) 750-5675, specifically responses to Questions 19-507, 19-509, and 19-514. RAI Questions 19-507 and 19-509, request the applicant to add Combined Operating License (COL) action items to the US-APWR DCD. The NRC staff explained its basis for concluding that additional COL action items are needed, the NRC and MHI staff could not reach an agreement regarding how to solve this issue and agreed to have a separate public teleconference to discuss this topic further. The above mentioned public teleconference was held on May 16, 2012 (meeting notice, ML12110A095). At the end of the call, the staff told MHI that they are waiting for MHI to submit an updated response to RAI Question 19-514 to include updated thermo-hydraulic analysis results.

Please direct any inquiries to me at 301-415-3249, or via e-mail to [Ruth.Reyes@nrc.gov](mailto:Ruth.Reyes@nrc.gov).

/RA/

Ruth C. Reyes, Project Manager  
Licensing Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. 52-021

Enclosures:  
As stated

cc w/encl: See next page

APPLICANT: MITSUBISHI HEAVY INDUSTRIES, LTD.

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

SUBJECT: SUMMARY OF THE APRIL 19, 2012, PUBLIC TELECONFERENCE  
WITH MITSUBISHI HEAVY INDUSTRIES, LTD. TO DISCUSS  
REMAINING ISSUES IN CHAPTER 19, "PROBABILISTIC RISK  
ASSESSMENT AND SEVERE ACCIDENT EVALUATION"

On April 19, 2012, a Category 1 public teleconference was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Mitsubishi Heavy Industries, Ltd. (MHI). The meeting notice was issued on March 22, 2012, and was documented in the Agencywide Documents Access and Management System under accession number ML12089A390. The purpose of the meeting was to discuss remaining issues in Chapter 19, "Probabilistic Risk Assessment and Severe Accident Evaluation," for the United States - Advanced Pressurized Water Reactor (US-APWR) design control document (DCD) phase two review. A list of attendees is provided as an enclosure.

During the teleconference, the staff discussed MHI's responses to Request for Additional Information (RAI) 750-5675, specifically responses to Questions 19-507, 19-509, and 19-514. RAI Questions 19-507 and 19-509, request the applicant to add Combined Operating License (COL) action items to the US-APWR DCD. The NRC staff explained its basis for concluding that additional COL action items are needed, the NRC and MHI staff could not reach an agreement regarding how to solve this issue and agreed to have a separate public teleconference to discuss this topic further. The above mentioned public teleconference was held on May 16, 2012 (meeting notice, ML12110A095). At the end of the call, the staff told MHI that they are waiting for MHI to submit an updated response to RAI Question 19-514 to include updated thermo-hydraulic analysis results.

Please direct any inquiries to me at 301-415-3249, or via e-mail to [Ruth.Reyes@nrc.gov](mailto:Ruth.Reyes@nrc.gov).

/RA/

Ruth C. Reyes, Project Manager  
Licensing Branch 2  
Division of New Reactor Licensing  
Office of New Reactors

Docket No. 52-021

Enclosures:  
As stated

cc w/encl: See next page

DISTRIBUTION:

PUBLIC	RidsNroDnrlLb2	RidsOgcMailCenter	JCiocco, NRO
LB2 R/F	RidsNroLACSmith	RidsAcrsAcnwMailCenter	LMrowca, NRO
D081	RidsOpaMailCenter	HPhan, NRO	

ADAMS Accession No.: ML12146A260

\*concur via e-mail

NRC-001

OFFICE	DNRL/LB2: PM	DNRL/LB2: LA	DNRL/LB2: PM	DNRL/LB2: PM (signed)
NAME	RReyes	CMurphy*	WWard for JCiocco	RReyes
DATE	08/06/12	08/ 02/12	08/06/12	08/14/12

OFFICIAL RECORD COPY

List of Attendees

Meeting with Mitsubishi Heavy Industries, Ltd. to Discuss Remaining Issues in Chapter 19,  
“Probabilistic Risk Assessment and Severe Accident Evaluation,”  
for the Teleconference Held on April 19, 2012

<b><u>NAME</u></b>	<b><u>AGENCY/AFFILIATION</u></b>
Nate Bennett	Bechtel
Katsuya Kuroiwa	Mitsubishi Heavy Industries, Ltd.
Takayuki Nirasawa	Mitsubishi Heavy Industries, Ltd.
Jim Curry	Mitsubishi Nuclear Energy Systems
Tom Hicks	Mitsubishi Nuclear Energy Systems
Kevin Lynn	Mitsubishi Nuclear Energy Systems
Futoshi Tanaka	Mitsubishi Nuclear Energy Systems
Ed Bieronowski	Public
Hanh Phan	U.S. Nuclear Regulatory Commission
Ruth Reyes	U.S. Nuclear Regulatory Commission

Enclosure

cc:

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

Mr. Tony Robinson  
AREVA NP, Inc.  
3315 Old Forest Road  
Lynchburg, VA 24501

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

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

## DC Mitsubishi - US APWR Mailing List

### Email

acpasswater@aol.com (Al Passwater)  
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)  
donald.woodlan@luminant.com (Donald Woodlan)  
eliza.seedcoalition@gmail.com (Elza Brown)  
erg-xl@cox.net (Eddie R. Grant)  
erin\_wisler@mnes-us.com (Erin Wisler)  
ewallace@nuscalepower.com (Ed Wallace)  
f.tanaka@mnes-us.com  
gcesare@enercon.com (Guy Cesare)  
hiroki\_nishio@mhi.co.jp (Hiroki Nishio)  
james1.beard@ge.com (James Beard)  
jerald.head@ge.com (Jerald G. Head)  
Joseph\_Hegner@dom.com (Joseph Hegner)  
joseph\_tapia@mnes-us.com (Joseph Tapia)  
jrappe@nuscalepower.com (Jodi Rappe)  
jrund@morganlewis.com (Jonathan Rund)  
kevin\_lynn@mnes-us.com (Kevin Lynn)  
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  
maria.webb@pillsburylaw.com (Maria Webb)  
mark.a.giles@dom.com (Mark Giles)  
mark.beaumont@wsms.com (Mark Beaumont)  
masahiko\_kaneda@mhi.co.jp (Masahiko Kaneda)  
masanori\_onozuka@mnes-us.com (Masanori Onozuka)  
masatoshi\_nagai@mnes-us.com (Masatoshi Nagai)  
masayuki\_kambara@mhi.co.jp (Masayuki Kambara)  
matias.travieso-diaz@pillsburylaw.com (Matias Travieso-Diaz)  
media@nei.org (Scott Peterson)  
mike\_moran@fpl.com (Mike Moran)

## DC Mitsubishi - US APWR Mailing List

MSF@nei.org (Marvin Fertel)  
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)  
rebecca\_steinman@mnes-us.com (Rebecca Steinman)  
RJB@NEI.org (Russell Bell)  
ryan\_sprengel@mnes-us.com (Ryan Sprengel)  
sabinski@suddenlink.net (Steve A. Bennett)  
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)  
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)