

October 11, 2007

LICENSEE: MITSUBISHI HEAVY INDUSTRIES (MHI)
FACILITY: US-APWR STANDARD DESIGN PRE-APPLICATION REVIEW
SUBJECT: SUMMARY OF THE SEPTEMBER 26, 2007 PUBLIC MEETING ON
TECHNICAL SPECIFICATIONS FOR US-APWR FOUR-TRAIN SAFETY
SYSTEMS.

On September 26, 2007, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Mitsubishi Heavy Industries (MHI) at NRC Headquarters in Rockville, Maryland. The purpose of the meeting was to discuss MHI's approach concerning technical specifications for the US-APWR four-train safety systems. A list of meeting attendees is provided as Enclosure 1. MHI presented a handout which is shown in Enclosure 2 and can be accessed through the Agencywide Documents Access and Management System accession number ML072760676.

Technical Specifications for US-APWR Four-Train Safety Systems

MHI opened the meeting by explaining that the US-APWR design is mainly based on conventional pressurized-water reactors with several unique features, including the four-train safety systems. Because each train has a 50-percent capability, these systems are intended to enhance redundancy while optimizing the benefits of on-line maintenance. At this point, the NRC staff commented that in order to take credit for four trains, all four will have to meet surveillance and maintenance requirements under the technical specifications. MHI agreed that this was their intent, since any three trains will need to be operable.

Next, MHI discussed how the Configuration Risk Management Program would establish completion times (CT). Risk-informed CT's would be based on the risk thresholds specified in the NRC approved NEI 06-09 Rev. 0, "Risk-Informed Technical Specifications Initiative 4b Risk-Managed Technical Specifications (RMTS) Guidelines." Currently, MHI is only applying RMTS to the four-train safety systems, but the NRC staff noted that RMTS could be applied to other systems. At this point, NRC staff asked what Probabilistic Risk Assessment (PRA) information MHI would submit in support of the RMTS. MHI said they would provide their PRA model including their assumptions and their results.

Members of the public were in attendance, but Public Meeting Feedback forms were not received. Please direct any inquiries to me at 301-415-1544, or srm2@nrc.gov.

/RA/

Stephen Raul Monarque
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Project No. 751

Enclosures:

1. List of Attendees
2. Mitsubishi Handout - US-APWR
10th Pre-Application Review Meeting -
Technical Specifications for Four-Train Safety Systems
(ML072760676)

cc w/encls: See next page

Members of the public were in attendance, but Public Meeting Feedback forms were not received. Please direct any inquiries to me at 301-415-1544, or srm2@nrc.gov.

/RA/

Stephen Raul Monarque
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Project No. 751

Enclosures:

1. List of Attendees
2. Mitsubishi Handout - US-APWR
10th Pre-Application Review Meeting -
Technical Specifications for Four-Train Safety Systems
(ML072760676)

cc w/encls: See next page

Distribution List:

PUBLIC
Branch Reading
RidsNroDnrlNwe1
RidsNroDnrlNwe2
RidsNroLAKGoldstein
RidsOgcMailCenter
RidsAcrcAcnwMailCenter
BLehman
GGulla
MMarshall
NSaltos
RGrover
SMonarque
TTjarder
RidsRgn2MailCenter

ADAMS Accession No: ML072820292; Package: ML072820290

LA:NWE1:DNRL:NRO	PM:NWE1:DNRL:NRO
KGoldstein	SMonarque
10/11/2007	10/11/2007

OFFICIAL RECORD COPY

Attendees

Public Meeting to Discuss

Technical Specifications for Four-Train Safety Systems

September 26, 2007

Name	Affiliation
Alan Levin	Areva
Kenneth Hughey	Entergy
Don Woodlan	Luminant
Etsuro Saji	MHI
Katsunori Kawai	MHI
Kiyoshi Yamauchi	MHI
Makoto Takashima	MHI
Andrew Johnson	MNES
C. K. Paulson	MNES
Masanori Onozuka	MNES
Masayuki Kambara	MNES
Shinji Kawanago	MNES
Takahiro Imamura	MNES
Jon Johnson	MNES - Talisman
Bryce Lehman	NRC/NRO
Gerry Gulla	NRC/NRO
Michael Marshall	NRC/NRO
Nick Saltos	NRC/NRO
Ravi Grover	NRC/NRR
Stephen Monarque	NRC/NRO
T. R. Tjader	NRC/NRO
Mark Beaumont	Washington Group Intl.

Enclosure 2

Mitsubishi Handout - US-APWR
10th Pre-Application Review Meeting-
Technical Specifications for Four-Train Safety Systems

(ML072760676)

cc:

Mr. Glenn H. Archinoff
AECL Technologies
481 North Frederick Avenue
Suite 405
Gaithersburg, MD 20877

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

Mr. Marvin Fertel
Senior Vice President
and Chief Nuclear Officer
Nuclear Energy Institute
1776 I Street, NW
Suite 400
Washington, DC 20006-3708

Mr. Ray Ganthner
AREVA, Framatome ANP, Inc.
3315 Old Forest Road
P.O. Box 10935
Lynchburg, VA 24506-0935

Mr. Paul Gaukler
Pillsbury, Winthrop, Shaw, Pittman
2300 N Street, NW
Washington, DC 20037

Masayuki Kambara
Mitsubishi Nuclear Energy Systems, Inc.
2300 Wilson Blvd.
Suite 300
Arlington, VA 22201-5426

Masahiko Kaneda
Mitsubishi Heavy Industries, Ltd.
16-5, Konan 2-Chome, Minato-Ku
Tokyo, 108-8215 JAPAN

Shinji Kawanago
Mitsubishi Nuclear Energy Systems, Inc.
2300 Wilson Blvd.
Suite 300
Arlington, VA 22201-5426

Sirirat Mongkolkarn
Office Administrator
Mitsubishi Nuclear Energy Systems, Inc.
2300 Wilson Boulevard, Suite 300
Arlington, VA 22201-5426

Dr. Masanori Onozuka
Mitsubishi Nuclear Energy Systems, Inc.
2300 Wilson Blvd.
Suite 300
Arlington, VA 22201-5426

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

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

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

Email

APH@NEI.org (Adrian Heymer)
awc@nei.org (Anne W. Cottingham)
bennettS2@bv.com (Steve A. Bennett)
bob.brown@ge.com (Robert E. Brown)
BrinkmCB@westinghouse.com (Charles Brinkman)
chris.maslak@ge.com (Chris Maslak)
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)
Dennis.Buschbaum@txu.com (Denny Buschbaum)
dlochbaum@UCSUSA.org (David Lochbaum)
dwoodla1@txu.com (Donald Woodlan)
erg-xl@cox.net (Eddie R. Grant)
frankq@hursttech.com (Frank Quinn)
gcesare@enercon.com (Guy Cesare)
greshaja@westinghouse.com (James Gresham)
JAC3@nrc.gov (Jeff Ciocco)
james.beard@gene.ge.com (James Beard)
jcurtiss@winston.com (Jim Curtiss)
jgutierrez@morganlewis.com (Jay M. Gutierrez)
jim.riccio@wdc.greenpeace.org (James Riccio)
JJNesrsta@cpsenergy.com (James J. Nesrsta)
john.o'neil@pillsburylaw.com (John O'Neil)
Joseph.savage@ge.com (Joseph Savage)
Joseph_Hegner@dom.com (Joseph Hegner)
kcrogers@aol.com (K. C. Rogers)
KSutton@morganlewis.com (Kathryn M. Sutton)
kwaugh@impact-net.org (Kenneth O. Waugh)
lynchs@gao.gov (Sarah Lynch - Meeting Notices Only)
Margaret.Bennett@dom.com (Margaret Bennett)
maria.webb@pillsburylaw.com (Maria Webb)
mark.beaumont@wsms.com (Mark Beaumont)
masahiko_kaneda@mhi.co.jp (Masahiko Kaneda)
masanori_onozuka@mnes-us.com (Masanori Onozuka)
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)
mwetterhahn@winston.com (M. Wetterhahn)
nirsnet@nirs.org (Michael Mariotte)
patriciaL.campbell@ge.com (Patricia L. Campbell)
paul.gaukler@pillsburylaw.com (Paul Gaukler)
Paul@beyondnuclear.org (Paul Gunter)

pshastings@duke-energy.com (Peter Hastings)
RJB@NEI.org (Russell Bell)
RKTemple@cpsenergy.com (R.K. Temple)
roberta.swain@ge.com (Roberta Swain)
ronald.hagen@eia.doe.gov (Ronald Hagen)
sandra.sloan@areva.com (Sandra Sloan)
sfrantz@morganlewis.com (Stephen P. Frantz)
shinji_kawanago@mnes-us.com (Shinji Kawanago)
steven.hucik@ge.com (Steven Hucik)
Tansel.Selekler@nuclear.energy.gov (Tansel Selekler)
tom.miller@hq.doe.gov (Tom Miller)
trsmith@winston.com (Tyson Smith)
VictorB@bv.com (Bill Victor)
vijukrp@westinghouse.com (Ronald P. Vijuk)
waraksre@westinghouse.com (Rosemarie E. Waraks)
whorin@winston.com (W. Horin)