

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](mailto: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  
10<sup>th</sup> Pre-Application Review Meeting -  
Technical Specifications for Four-Train Safety Systems  
(ML072760676)

cc w/encls: See next page

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Attendees

Public Meeting to Discuss

Technical Specifications for Four-Train Safety Systems

September 26, 2007

<b>Name</b>	<b>Affiliation</b>
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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
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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  
10<sup>th</sup> Pre-Application Review Meeting-  
Technical Specifications for Four-Train Safety Systems

(ML072760676)

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