

January 19, 2007

APPLICANT: MITSUBISHI HEAVY INDUSTRIES (MHI)

PROJECT: US-APWR STANDARD DESIGN PRE-APPLICATION REVIEW

SUBJECT: SUMMARY OF NOVEMBER 28, 2006, PUBLIC MEETING TO DISCUSS MHI'S PROPOSED QUALITY ASSURANCE TOPICAL REPORT (TAC NO. MD2767)

On November 28, 2006, an open Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of MHI at NRC Headquarters, in Rockville, Maryland. The purpose of the meeting was to discuss MHI's plans to submit a quality assurance topical report to support the NRC staff's pre-application activities related to the US-APWR design certification. MHI intends to submit a design certification application for the US-APWR in December 2007. A list of attendees is provided as Enclosure 1. MHI presented handouts that are shown in Enclosure 2 and can be assessed through the Agencywide Documents Access and Management System (ADAMS) accession number ML063390369.

MHI opened the meeting with an overview of the MHI organization, including a description of the functions and responsibilities. MHI maintains oversight of the Nuclear Energy Systems Headquarters in Tokyo. The Nuclear Energy Systems Headquarters oversees Mitsubishi Nuclear Fuel (Kobe) and Mitsubishi Electric (Tokyo). For the US-APWR design certification application, Nuclear Energy Systems Headquarters (Tokyo), Nuclear Energy Systems Quality and Safety Management Department (Tokyo), and MHI Nuclear Energy Systems (Washington DC) will provide oversight of Mitsubishi Nuclear Fuel and Mitsubishi Electric.

Next, MHI presented an overview of their quality assurance program, including the design control process, qualification test, and procurement and record control. MHI uses the Mitsubishi Group Quality Assurance Manual, which was based on the Japan Electric Association Guideline 4101. The Japan Electric Association Guideline 4101 was developed in 1972 from Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, Appendix B "Quality Assurance Criteria for Nuclear Power Plants and Fuel Processing Plants." MHI also stated their quality assurance program complies with NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants," Chapter 17.5.

The NRC staff provided feedback throughout the presentation. The NRC staff indicated that the topical report should provide a matrix showing the equivalences and differences between the Japan Electric Association Guideline and 10 CFR Part 50, Appendix B. In addition, the NRC staff requested that MHI discuss the differences between the testing activities for the Japan Electric Association Guideline and 10 CFR Part 50, Appendix B. MHI was requested to keep the NRC staff informed of their test schedule to allow the NRC staff to schedule possible inspections, and to use the September 2006, revision of NUREG-0800, Chapter 17.5.

The NRC staff also discussed the appropriate time for performing a site quality assurance implementation inspection in Japan. MHI plans to submit the quality assurance topical report in

January 2007. The NRC staff pledged to continue to communicate frequently with MHI during the topical report review process. 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/*

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Office of New Reactors

Project No. 751

Enclosures:

1. List of Attendees
2. Mitsubishi Handout - US-APWR 3<sup>rd</sup>  
Pre-Application Review Meeting Quality  
Assurance of US-APWR at  
DC Application (ML063390369)

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Attendees

Public Meeting to Discuss

Mitsubishi Heavy Industries' (MHI's) US-APWR

Quality Assurance Topical Report

November 28, 2006

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Richard McIntyre	NRC
Kerri Kavanagh	NRC
Tolani Owusu	NRC
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Stephen Monarque	NRC
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Ryuji Iwasaki	Toshiba
Jon Johnson	Talisman International, LLC
Toshisada Kato	MHI
Masayuki Kambara	MHI
Kiyoshi Yamauchi	MHI
C. Keith Paulson	MHI
Naoki Miyakoshi	MHI
Kei Imamura	MHI

Distribution for November 28, 2006, Meeting Summary dated January 19, 2006

SUBJECT: SUMMARY OF NOVEMBER 28, 2006, PUBLIC MEETING TO DISCUSS MHI'S  
PROPOSED QUALITY ASSURANCE TOPICAL REPORT (TAC NO. MD2767)

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