

August 18, 2011

APPLICANT: MITSUBISHI HEAVY INDUSTRIES, LTD.

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

SUBJECT: SUMMARY OF THE JUNE 22, 2011, MEETING WITH MITSUBISHI
HEAVY INDUSTRIES, LTD., TO DISCUSS THE UNITED STATES -
ADVANCED PRESSURIZED WATER REACTOR DESIGN CONTROL
DOCUMENT SECTION 3.6.2, "PIPE HAZARDS ANALYSES"

On June 22, 2011, a Category 1 closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and Mitsubishi Heavy Industries, Ltd. (MHI) at the office of the NRC, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The meeting notice was issued on June 9, 2011, and was documented in the Agencywide Documents Access and Management System (ADAMS) under accession number ML111590105. The notice included the meeting agenda. The purpose of the meeting was to discuss the applicant's pipe hazards analyses, which is addressed in the United States - Advanced Pressurized Water Reactor (US-APWR) Design Control Document, Section 3.6.2, "Pipe Hazards Analyses."

MHI presented its approach for addressing jet pressure oscillation as part of its pipe hazards analyses. MHI's presentation contains proprietary information and therefore is not available to the public. The NRC staff indicated that MHI's approach should be generalized, and applied to any impinged upon structure, including barriers and shields. The NRC staff also identified concerns with various modeling parameters used in MHI's approach. A list of attendees is provided as an enclosure.

Please direct any inquiries to me at 301-415-6256, or via e-mail to Dennis.Galvin@nrc.gov.

/RA/

Dennis Galvin, Project Manager
US-APWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket No. 52-021

Enclosure:
List of Attendees

cc w/encl.: See next page

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SUBJECT: SUMMARY OF THE JUNE 22, 2011, MEETING WITH MITSUBISHI HEAVY INDUSTRIES, LTD., TO DISCUSS THE UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR DESIGN CONTROL DOCUMENT SECTION 3.6.2, "PIPE HAZARDS ANALYSES"

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List of Attendees

Meeting with Mitsubishi Heavy Industries, Ltd. to Discuss the United States - Advanced
Pressurized Water Reactor Design Control Document, Section 3.6.2, "Pipe Hazards Analyses,"
Held on June 22, 2011

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Junya Kono	Mitsubishi Heavy Industries, Ltd.
Yasushi Nagata	Mitsubishi Heavy Industries, Ltd.
Yoshiyuki Kondo	Mitsubishi Heavy Industries, Ltd.
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Erin Wisler	Mitsubishi Nuclear Energy Systems
Hiroshi Hamamoto	Mitsubishi Nuclear Energy Systems
Joe Tapia	Mitsubishi Nuclear Energy Systems
Ryan Sprengel	Mitsubishi Nuclear Energy Systems
Yosuke Katsura	Mitsubishi Nuclear Energy Systems
Jules Lindau	Penn State /ARL
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Dennis Galvin	U.S. Nuclear Regulatory Commission
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Enclosure

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