

October 4, 2012

APPLICANT: MITSUBISHI HEAVY INDUSTRIES, LTD.

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

SUBJECT: SUMMARY OF THE SEPTEMBER 12, 2012, PUBLIC AND CLOSED MEETING WITH MITSUBISHI HEAVY INDUSTRIES, LTD. TO DISCUSS THE UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR CLOSURE PLAN FOR SEISMIC AND STRUCTURAL ANALYSIS

On September 12, 2012, a public and closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and Mitsubishi Heavy Industries, Ltd. (MHI) at the NRC offices in Rockville, Maryland. The meeting notice was issued on August 28, 2012, and was documented in the Agencywide Documents Access and Management System (ADAMS) under accession number ML12237A277. The notice included the meeting agenda. The purpose of the meeting was to discuss the review of the United States - Advanced Pressurized Water Reactor Design Certification Document Sections 3.7 and 3.8. In particular, MHI and the NRC staff discussed MHI's closure plan for seismic and structural analyses.

The closed portion of the meeting included discussions of proprietary and security related information. Therefore MHI's presentation for the closed portion of the meeting is not available to the public in ADAMS.

During the meeting, the MHI presentations covered the following topics:

- Summary of Design Changes Resulting from Essential Service Water Pipe Tunnel, Aircraft Impact Assessment, and Time Histories Changes.
- Seismic Analysis Changes.
- Drawing Changes Due to Layout Changes.
- Equipment Layout Changes.
- Revised Licensing Submittal Plan.

The NRC staff observed that MUAP-10006, Revision 3, "Reactor Building Soil Structure Analyses and Results," is a key document for Section 3.7 and the design reports are key documents for Section 3.8 and have a significant impact on the NRC review schedule. MHI indicated that it would look at potential enhancements to the document schedule. MHI also indicated that it will add the schedule for the new technical report related to construction and inspections for the containment internal structure (CIS).

The NRC staff asked MHI whether it anticipated any additional structural design changes as a result of the ongoing seismic and structural analyses. MHI indicated that it had performed preliminary analyses to support the planned design changes and had no plans for additional structural changes.

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In response to a NRC staff's question regarding seismic analysis of the CIS, MHI confirmed its commitment made during the March 31, 2011, public meeting that CIS seismic analysis is based on 4 percent damping and the seismic analysis models will consider two CIS stiffness values (initial and 50 percent of the initial stiffness). Each seismic model will be analyzed for all generic soil profiles and the seismic demands from the two seismic models will be enveloped for design use.

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

/RA/

Dennis Galvin, Project Manager
Licensing Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-021

Enclosure:
List of Attendees

cc: See next page

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ADAMS Accession Nos.:

Pkg: ML12269A146

Summary - ML12268A183

NRC-001

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DATE	10/02/2012	09/26/2012	10/01/2012	10/04/2012

OFFICIAL RECORD COPY

List of Attendees

Meeting with Mitsubishi Heavy Industries, Ltd. (MHI) to discuss the United States - Advanced Pressurized Water Reactor Closure Plan for Seismic and Structural Analyses held on September 12, 2012

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Yoshiki Ogata	Mitsubishi Heavy Industries, Ltd.
Mike Tschiltz	Mitsubishi Nuclear Energy Systems, Inc.
Joseph Tapia	Mitsubishi Nuclear Energy Systems, Inc.
Erin Wisler	Mitsubishi Nuclear Energy Systems, Inc.
Ryan Sprengel	Mitsubishi Nuclear Energy Systems, Inc.
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Masanori Onozuka	Mitsubishi Nuclear Energy Systems, Inc.
Atsushi Kumaki	Mitsubishi Nuclear Energy Systems, Inc.
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Steve Floyd	MNES/ERIN Engineering
Don Woodlan	Luminant Generation Company, LLC.
Robert Bird	Luminant Generation Company, LLC.
Joe Hegner	Dominion Virginia Power
John Waddill	Dominion Virginia Power
Regina Borsch	Dominion Virginia Power
Rich Baker	Dominion Virginia Power / Bechtel
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Mohammed Shams	Nuclear Regulatory Commission
Bhagwat Jain	Nuclear Regulatory Commission
Dennis Galvin	Nuclear Regulatory Commission

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Tarun Roy	Nuclear Regulatory Commission
Jerry Chuang	Nuclear Regulatory Commission
Vladimir Grazier	Nuclear Regulatory Commission
Chandu Patel	Nuclear Regulatory Commission
Steve Monarque	Nuclear Regulatory Commission
Amy Snyder	Nuclear Regulatory Commission
Samuel Lee	Nuclear Regulatory Commission
Robert Vettori	Nuclear Regulatory Commission
Eileen Mckenna	Nuclear Regulatory Commission
Pete Lee	Nuclear Regulatory Commission
Mike Takacs	Nuclear Regulatory Commission
Ron LaVera	Nuclear Regulatory Commission
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(Revised 10/02/2012)

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