

April 27, 2011

APPLICANT: MITSUBISHI HEAVY INDUSTRIES, LTD.

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

SUBJECT: SUMMARY OF THE MARCH 31, 2011, PUBLIC MEETING WITH MITSUBISHI HEAVY INDUSTRIES, LTD., DISCUSS ITS PROPOSAL TO THE SEISMIC ANALYSIS AND CONTAINMENT DESIGN, DESIGN CONTROL DOCUMENT, SECTION 3.7 AND SECTION 3.8, AS PART OF THE UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR NUCLEAR POWER PLANT COMBINED LICENSE APPLICATION

On March 31, 2011, a Category 2 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC), Mitsubishi Heavy Industries, Ltd. (MHI), and representatives of Luminant Generation Company LLC, Dominion Virginia Power, and their contractors at the office of the NRC, Two White Flint North, 11545 Rockville Pike, Rockville, Maryland. A public meeting notice was issued on March 16, 2011, and was documented in the Agencywide Documents Access and Management System (ADAMS) under accession number ML110670033 and included the meeting agenda. The purpose of the meeting was to discuss seismic analysis and containment design, which are addressed in the United States - Advanced Pressurized Water Reactor Design Control Document (DCD), Section 3.7 and Section 3.8. A list of attendees is provided as Enclosure 1.

The NRC presented the status of its review of DCD, Section 3.7 and Section 3.8 and its key seismic technical issues. The NRC's presentation materials titled "Seismic Analysis & Design Review for Sections 3.7 and 3.8," dated March 31, 2011, were documented in ADAMS under accession number ML110900696 and are provided as Enclosure 2. MHI's presentation materials titled "NRC Public Meeting for US-APWR DCD Chapter 3 - Mitsubishi Presentation Materials and Presenters," dated March 31, 2011, were documented in ADAMS under accession number ML110900678 and provided as Enclosure 3.

During MHI's presentation, MHI provided a comparison table between the NRC staff key seismic technical issues and also presented its approach to address the key technical issues in a series of presentations listed as follows:

- Seismic Design Basis Models
- Effect of Concrete Cracking
- Soil Profiles
- Structure-Soil-Structure Interactions
- Water Table Effects
- Embedment Effects on Seismic Issues
- High Frequency Consideration in Certified Seismic Design Response Spectra
- Foundation Analysis
- Sliding Stability

- Gap Between Structures
- Steel Concrete Modules
- Steel Liner Plate Strain Near Pre-stressed Concrete Containment Vessel Penetration

MHI provided a list of deliverables in its last presentation, including revised technical reports, new technical reports, calculation reports for audits, two revised Request for Additional Information responses, and DCD changes to be included in the DCD tracking report. MHI indicated that the schedule for the deliverables is under development.

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
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Office of New Reactors

Docket Nos. 52-021

Enclosures:
As stated

cc w/encls: See next page

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DATE	04/27/2011	04/27/2011	04/27/2011

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List of Attendees

Meeting with Mitsubishi Heavy Industries, Ltd., Luminant Generation Company LLC, and Dominion Virginia Power to Discuss Seismic Analysis and Containment Design as Part of the United States - Advanced Pressurized Water Reactor Design Control Document, Sections 3.7 and Section 3.8, for the Meeting Held on March 31, 2011

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Farhang Ostadan	Bechtel / Mitsubishi Nuclear Energy Systems
Gina Borsh	Dominion Virginia Power
John Waddill	Dominion Virginia Power
Mark Giles	Dominion Virginia Power
Curtis Angstadt	Enercon
Sam Hobbs	Enercon
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Donald Woodlan	Luminant Generation Company, LLC.
William Luyties	Luminant Generation Company, LLC.
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