

January 21, 2010

APPLICANT: MITSUBISHI HEAVY INDUSTRIES, LTD.

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

SUBJECT: SUMMARY OF THE DECEMBER 8, 2009, MEETING WITH MITSUBISHI
HEAVY INDUSTRIES, LTD. TO DISCUSS ACCIDENT ANALYSIS
SIMULATIONS WITH THE MARVEL-M COMPUTER CODE AND DRAFT
REQUEST FOR ADDITIONAL INFORMATION QUESTIONS

On December 8, 2009, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC), Information Systems Laboratories, Inc. (NRC contractor), and representatives of Mitsubishi Heavy Industries Ltd. (MHI), at the office of Information System Laboratories, Inc., 11140 Rockville Pike, Rockville, Maryland. A public meeting notice was issued on November 25, 2009, and was documented in the Agencywide Documents Access and Management System (ADAMS) under Accession Number ML093290215. The notice included the meeting agenda, which was also available as a handout at the meeting. The purpose of the meeting was to discuss several Non-Loss-of-Coolant-Accident (Non-LOCA) simulations utilizing the MARVEL-M computer code, and to address the related draft Request for Additional Information (RAI) sent to MHI on November 12, 2009.

MHI presented information on the methodology and calculations used for several Non-LOCA simulations, specifically, the complete loss of flow scenarios. Enclosures 2 and 3 include the handouts provided by MHI in support of its discussion on the draft RAIs. MHI clarified misleading explanations and insufficient information in the MARVEL-M Theory Manual, and stated that these corrections will be included in the next revision (Revision 8) of this manual. The date for the new revision has yet to be determined. At the end of the meeting, it was agreed that the draft RAIs could be issued as final and that all of the information contained in the MHI Presentation Handout (Enclosure 2) and the MHI Excel Handout (Enclosure 3) is proprietary. The final version of the RAI was issued on December 10, 2009, and can be found in ADAMS under Accession Number ML093500236. A list of attendees is provided in Enclosure 1.

Members of the public were not in attendance during the open portion of the meeting. Please direct any inquiries to me at 301-415-7871, or via e-mail to Michael.Takacs@nrc.gov.

/RA/

Michael Takacs, Project Manager
US-APWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket No. 52-021

Enclosures:

1. Attendees List
2. MHI Presentation Handout (Proprietary, Non-Public)
3. MHI Excel Handout (Proprietary, Non-Public)

cc w/Enclosure 1:
See next page

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cc w/Enclosure 1:
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(Revised 12/15/2009)

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