

December 9, 2011

MEMORANDUM TO: Edwin M. Hackett, Executive Director
Advisory Committee on Reactor Safeguards

FROM: David B. Matthews, Director */RA Frank Akstulewicz for/*
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR
ADVANCED TOPICAL REPORT SAFETY EVALUATION FOR MUAP-
7013-P, REVISION 2, "SMALL BREAK LOCA METHODOLOGY FOR
US-APWR"

By letter dated December 31, 2007, as supplemented by letters dated March 27, 2008, and April 16, 2008, Mitsubishi Heavy Industries, Ltd. (MHI) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a standard Design Certification (DC) of the United States - Advanced Pressurized Water Reactor (US-APWR), pursuant to Title 10 of the *Code of Federal Regulations* Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants."

Based on our review of the application, the staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its advanced Topical Report Safety Evaluation (TRSE) for Topical Report MUAP-07013-P, Revision 2, "Small Break LOCA Methodology for US-APWR" (ML113191069). Unless otherwise stated in the advanced TRSE, the staff's review was based on Revision 3 of the design control document. The advanced TRSE is being provided to support a meeting of the subcommittee of the ACRS scheduled for May 2012. The ACRS full committee meeting will be held after the subcommittee meeting.

A review of the advanced TRSE for any information exempt from public disclosure has not yet been performed. The NRC will withhold the advanced TRSE from public disclosure for 20 business days to allow MHI the opportunity to perform a proprietary and factual content review. Therefore, the staff requests that the ACRS withhold the advanced TRSE from public disclosure until it has been determined what information can be publicly released in ADAMS.

The staff will inform the ACRS immediately when MHI has finished its review.

Docket No. 52-021

CONTACTS: Michael Takacs, NRO/DNRL
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Jeffrey Ciocco, NRO/DNRL
301-415-1544

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