

July 23, 2015

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

FROM: Frank M. Akstulewicz, Director **/RA Mark Delligatti for:/**
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: UNITED STATES - ADVANCED PRESSURIZED WATER REACTOR
ADVANCED TOPICAL REPORT SAFETY EVALUATION FOR
MUAP-07007-P, REVISION 6, "HSI SYSTEM DESCRIPTION AND
HFE PROCESS"

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-07007-P, Revision 6, "HSI System Description and HFE Process" (ML15202A337). Unless otherwise stated in the advanced TRSE, the staff's review was based on Revision 4 of the design control document and Revision 6 of the topical report. The advanced TRSE is being provided to support a meeting of the subcommittee of the ACRS scheduled for August 20, 2015. The ACRS Full Committee meeting will be held after the subcommittee meeting.

The staff has reviewed the safety evaluation and found no topics that meet the categories of interest that ACRS members would like to review in detail.

CONTACTS: William Ward, NRO/DNRL
301-415-7038

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.

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