

January 30, 2008

Dr. Keith Paulson
Senior Technical Manager
Mitsubishi Nuclear Energy Systems, Inc.
300 Oxford Drive, Suite 301
Monroeville, PA 15146

SUBJECT: A FOLLOW-UP REQUEST FOR ADDITIONAL INFORMATION ON MASS AND
ENERGY RELEASE ANALYSIS CODE APPLICABILITY FOR US-APWR
TOPICAL REPORT MUAP-07012-P

Dear Dr. Paulson:

By a letter dated July 20, 2007, Mitsubishi Heavy Industries, Inc. (MHI) submitted for Nuclear Regulatory Commission (NRC) staff review the topical report MUAP-07012-P, "LOCA Mass and Energy Release Analysis Code Applicability Report for US-APWR ." The NRC staff has determined that additional information is needed for the NRC staff to complete its review, and sent a request for additional information (RAI) on December 31, 2007.

The NRC staff had a follow-up conference call with MHI, and met MHI staff during the US-APWR DCD orientation meeting on January 16, 2008, for further clarification of the RAI dated December 31, 2007. Subsequently, the NRC staff determined that the following additional information is needed for the NRC staff to complete its review.

1. Please provide the NRC staff with an electronic file of the US-APWR GOTHIC input for the double ended pump suction break. The staff would like to use this input to develop a description of the US-APWR containment using the MELCOR computer code for the purpose of performing confirmatory analysis. We also would like to share it with NRC research staff as they are developing a MELCOR containment model for the Chapter 6.2 evaluation.

MHI is requested to provide a response to the NRC staff's RAI within 30 days of the date of this letter. MHI's responses to the NRC staff's RAI will be addressed in Chapter 21 of the NRC staff's safety evaluation report for the US-APWR design control document.

Sincerely,
/RA/

Jin W. Chung
Senior Project Manager
USAPWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Project No.: 0751

cc: See next page

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Sincerely,
/RA/
Jin W. Chung
Senior Project Manager
USAPWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Project No.: 0751
cc: See next page

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