October 11, 2007

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

SUBJECT: ACCEPTANCE LETTER FOR REVIEW OF TOPICAL REPORT MUAP-07007-P, "HUMAN SYSTEM INTERFACE SYSTEM DESCRIPTION AND HUMAN FACTORS ENGINEERING PROCESS"

Dear Mr. Paulson;

By letter dated April 10, 2007, Mitsubishi Heavy Industries, Inc. (MHI) submitted for Nuclear Regulatory Commission (NRC) staff review Topical Report MUAP-07007-P, "Human System Interface System Description and Human Factors Engineering Process." In response to the NRC staff's comments raised at a non-public (proprietary) meeting on June 12, 2007, MHI submitted Revision 1 of this topical report on July 3, 2007. MHI requested NRC staff approval to use this topical report in support of the US-APWR design certification application as well as the current operating fleet. The NRC staff has performed an acceptance review of Topical Report MUAP-07007-P and has determined that the material presented in this topical report is sufficient to begin our comprehensive review. The NRC staff expects to issue a request for additional information by April 30, 2008, and issue the safety evaluation by September 16, 2008. Furthermore, the NRC staff estimates that the review of this topical report will require approximately 500 staff hours, including project management and contractor time. The review schedule and estimated review costs were discussed and agreed upon in a telephone call between you and the NRC staff on October 4, 2007.

Section 170.21 of the Title 10 of the *Code of Federal Regulations* requires topical reports to be subject to fees based on the full cost of the review. You did not request a fee exemption; therefore, NRC staff hours will be billed accordingly.

Sincerely,

/RA/

Stephanie M. Coffin, Acting Chief
USAPWR Projects Branch
Division of New Reactors Licensing
Office of New Reactors

Project No.: 0751

cc: See next page

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