

August 29, 2007

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION ON THE US-APWR NEUTRON REFLECTOR REFLOODING TEST PLAN

Dear Mr. Paulson:

By letter dated July 13, 2007, Mitsubishi Heavy Industries, Inc. (MHI) submitted for Nuclear Regulatory Commission (NRC) staff review the "US-APWR Neutron Reflector Reflooding Test Plan." The NRC staff has reviewed this test plan and has determined that the following information is needed for the NRC staff to complete its review of this test plan.

Sections 5.2, "Calibration," 6.0, "Test Procedure," and 7.0, "Evaluation Items of Test Results," describe the actions relating to the testing of the neutron reflector. MHI is requested to provide the number and length of test runs that will be performed on the neutron reflector test section, and provide a numerical value for the terms 'Nominal Value' and 'Range' shown on Table 2. In addition, MHI is requested to indicate whether these tests will be steady state. For Section 5.2, step (3), please clarify the first sentence.

MHI is requested to provide a response to the NRC staff's request for additional information (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 certification document.

Sincerely,

/RA/

Stephen Raul Monarque
USAPWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Project No.: 0751

cc: See next page

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