

US-APWRRRAIsPEm Resource

From: Buckberg, Perry
Sent: Tuesday, January 28, 2014 7:24 AM
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Cc: Le, Hien; McKenna, Eileen; Roy, Tarun; Lee, Samuel
Subject: US-APWR Design Certification Application RAI 1071-7376 (16 - Tech Specs)
Attachments: US-APWR DC RAI 1071 BPTS 7376.pdf

MHI,

The attachment contains the subject Technical Specification related request for additional information (RAI). This RAI was sent to you in draft form on January 6, 2014 resulting in no need for clarification. Your licensing review schedule assumes technically correct and complete responses when the response is issued.

Please submit your RAI response to the NRC Document Control Desk.

Thanks,

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U.S. Nuclear Regulatory Commission

Office of New Reactors

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REQUEST FOR ADDITIONAL INFORMATION 1071-7376

Issue Date: 1/28/2014

Application Title: US-APWR Design Certification - Docket Number 52-021

Operating Company: Mitsubishi Heavy Industries

Docket No. 52-021

16 – Technical Specifications

QUESTION:
16-306

This is a follow-up to RAI 1058-7277, Question 16-305 which requested MHI to provide TS requirements for the Low RCS Loop Water Level to support the Low Pressure Letdown Isolation function during Mid-Loop operations.

BPTS staff has reviewed the MHI response dated December 4, 2013, and has the following additional questions:

1. Three surveillance tests were proposed in TS 3.4.8 (SR 3.4.8.10, SR 3.4.8.11, and SR 3.4.8.12) for the Channel Check, the Memory Integrity Check, and the Calibration of the RCS Loop Water Level instruments. The surveillance test (similar to SR 3.3.2.3 for performing the trip actuation device operational test (TADOT) was said to be covered in SR 3.4.8.3 for the valve cycling test IAW the IST program. The staff does not agree that the valve cycling test covers the scope of TADOT for a specified function listed in TS Section 3.3, Table 3.3.2-1. As indicated in the Westinghouse STS, for individual system LCOs such as LCO 3.6.3, "Containment Isolation Valves," or LCO 3.7.2, "MSIVs," the component testing includes both a valve cycling test IAW the IST program and a valve automatic response to an actuating signal. The TADOT is overlapped with only the valve automatic response to an actuating signal, not the valve cycling test. Therefore, a separate SR should be provided for either the TADOT or the component automatic response test in TS 3.4.8.
2. In addition, the LCO 3.4.8 statement should also be revised to include requirements for the RCS Loop Water Level - Low including the required number of OPERABLE channels, and another surveillance test (similar to SR 3.3.2.2) for the testing of voting logic should also be added.

The applicant is requested to include the above additional TS requirements in TS 3.4.8 or provide justification for not explicitly specifying these TS requirements. This is applicable also to similar proposed changes in TS 3.9.6.