

REQUEST FOR ADDITIONAL INFORMATION 409-3092 REVISION 0

6/24/2009

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 14.02 - Initial Plant Test Program - Design Certification and New License Applicants
Application Section: 14.2 Initial Plant Test Program

QUESTIONS for Quality and Vendor Branch 1 (AP1000/EPR Projects) (CQVP)

14.02-118

RAI 14.02-118

RAI 14.02-116 followed up MHI's 12/18/2008 response to Question 14.02-102.

RAI 14.02-102 had 9 parts, and MHI's responses to the majority of the RAI were acceptable. In RAI 14.02-116, the staff requested that MHI address testing of the Station Service Air (SSA) and Compressed Gas (CG) Systems in accordance with RG 1.68.3.

MHI's responses to RAI 14.02-116 are generally acceptable and address the majority of the staff's concerns. MHI has agreed with the staff's position regarding testing of SSA and CG in accordance with RG 1.68.3. MHI has added a new preoperational Test #117 that will test the CG System to RG 1.68.3. Further, MHI will revise Test #92 for the SSA System to comply with the RG. These responses are acceptable. However, two aspects of RAIs 14.02-102 and 116 have not been fully addressed:

1. The last sentence in the lead-in paragraph to RAI 14.02-102, items 7, 8, and 9, states "There may be additional important-to-safety air-operated valves that need testing that are not listed in .. Table [9.3.1-1]." And Item 9 states "Revise Tests 91 and 92 to include testing of RG 1.68.3 items C.8a and C.8b [loss of air tests] for all valves and other components within the scope of the RG; or reference where they are tested." The latest draft (in the RAI 14.02-116 response) of Test 14.2.12.1.91, "IA System Preoperational Test," Step 6, still only includes safety-related valves from Table 9.3.1-1. Please revise this step to include a scope similar to that of Step 5, "Loads that are a part of (or support the operation of) portions of the facility important to safety..."
2. The response to RAI 14.02-116 provided a draft of Test 14.2.12.1.117, "Compressed Gas System Preoperational Test." Step C.3 and acceptance criterion D.2 address the loads that are to be tested. However no loads are specifically listed. Please provide or refer to the loads that will be tested per these steps.