

REQUEST FOR ADDITIONAL INFORMATION 371-2617 REVISION 0

5/20/2009

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)

14.02-117

RAI 14.02-117

DCD section 5.2.5 and MHI's response to RAI 14.02-101 both list the various subsystems that comprise the RCPB leak detection system. MHI's response to followup RAI 14.02-112 provides a draft test, 14.2.12.1.115, that addresses only two of these many subsystems. The other systems may be tested in other preoperational tests, but that is not clear. Please expand test 14.2.12.1.115 either to include testing of all subsystems or to cross reference the test abstracts where that testing is performed. Test 115 should, therefore, provide in one place clear documentation that all RCPB leakage detection subsystems are calibrated and tested, and should document the conversion factors and the results of the conversions from measured quantities to RCS leak rate for each subsystem. If certain subsystems only provide indication of a leak and not quantification this should be documented as well.

(BNL Followup to RAI 14.02-69, RAI 14.02-101 and RAI 14.02-112)