

REQUEST FOR ADDITIONAL INFORMATION 527-4203 REVISION 2

2/1/2010

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 04.05.02 - Reactor Internal and Core Support Structure Materials

Application Section: 4.5.2 Reactor Internals and Core Support Materials

QUESTIONS for Component Integrity, Performance, and Testing Branch 1 (AP1000/EPR Projects)
(CIB1)

04.05.02-21

Section 4.5.2 interfaces with Section 3.9.5. Section 3.9.5.1.2 of the US-APWR DCD states that the lower core barrel has irradiation specimen guides that are fastened to the outside of the core barrel. This statement is not clear as to whether the guides are fastened by welding or mechanical fasteners. In response to RAI 2155-4.5.2-4, the applicant provided additional information and stated that welding would be used to attach the "lower core barrel -to- irradiation specimen guide welds (this is the guide to protect the irradiation specimen guide during insertion of the core barrel)." This statement is not clear.

Please clarify whether any part of the irradiation specimen guide is attached by mechanical fastener to the core barrel or whether welding is the only method of attachment.