

REQUEST FOR ADDITIONAL INFORMATION 835-6060 REVISION 0

10/11/2011

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 03.09.04 - Control Rod Drive Systems

Application Section: 3.9.4

QUESTIONS for Engineering Mechanics Branch 1 (AP1000/EPR Projects) (EMB1)

03.09.04-13

This question is a follow-up to RAI 1293-09.

In its response to RAI 1293-09, the applicant stated that the design requirements from the safety analysis and the functional requirements are identical. The functionality of the US-APWR CRDM is assured through many years of operating experience in Japan. Production tests are performed on all CRDMs prior to shipment to demonstrate that the design specification requirements are met. The effect for the rod drop time is evaluated by the calculated deflection of the CRDM pressure housing and test results, which is the basis of the deflection criteria of the CRDM pressure housing.

The staff requests the applicant to update the DCD with their response.