

**REQUEST FOR ADDITIONAL INFORMATION 742-5703 REVISION 3**

4/27/2011

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 03.12 - ASME Code Class 1, 2, and 3 Piping Systems and Piping Components and  
Their Associated Supports  
Application Section: 3.12

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

03.12-25

Section 3.12.5.10 of US-APWR DCD states that structural integrity of the pressurizer surge line of the US-APWR plant is to be assured by performing monitoring activities for the **first** US-APWR plant.

In order to use the first US- APWR initial plant operation to verify that the design transients for the surge line are representative, the applicant has to assure that all US- APWR plants have to use the same heatup and cooldown procedure/method. Currently, most of the US plants heatup/cooldown procedures are not the same as the heatup/cooldown procedures used by many Japanese units. How does Mitsubishi ensure that all US-APWR plants will use the same heatup and cooldown procedure/method?