

**REQUEST FOR ADDITIONAL INFORMATION 902-6318 REVISION 0**

2/22/2012

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 15.04.06 - Inadvertent Decrease in Boron Concentration in the Reactor Coolant (PWR)  
Application Section: DCD 15.4.6 Boron Dilution

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

15.04.06-10

In response to RAI 682-5367, Question 15.4.6-6, MHI provided revised Technical Specifications 3.4.6-8 wording dealing with the potential for boron dilution during Modes 4 and 5, no RCPs running, and Mode 6. The LCOs were modified to state that all sources of unborated water shall be isolated, but under T.S. Required Actions "planned dilution" is allowed. Clarify how a dilution can occur with all unborated water sources isolated and whether the intent of the revised T.S. wording is to allow for RCS dilutions in these modes.