

REQUEST FOR ADDITIONAL INFORMATION 399-2992 REVISION 0

6/18/2009

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 16 - Technical Specifications

Application Section: TS Section 3.4

QUESTIONS for Technical Specification Branch (CTSB)

16-298

TS 3.4.9, Pressurizer.

Provide justification for the selected pressurizer water level limit of 92% specified in LCO 3.4.9.a and SR 3.4.9.1. Revise LCO 3.4.9.a, SR 3.4.9.1 and the associated TS bases, as appropriate.

In the APWR DCD Section 15.2, the initial conditions of the pressurizer water volume assumed in all heatup transients are below 1500 cu-ft. (see Figures 15.2.1-4, 15.2.7.4 and 15.2.8-3) which is less than 50% of the total pressurizer water volume (3000 cu-ft). A heatup transient or accident initiated at 92% pressurizer water level constitutes an unanalyzed event which could lead to a water solid pressurizer and liquid release through the pressurizer safety valves.

This information is needed to ensure adequacy and completeness of LCO 3.4.9 requirements.