

REQUEST FOR ADDITIONAL INFORMATION 693-5428 REVISION 2

2/10/2011

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 05.03.02 - Pressure-Temperature Limits, Upper-Shelf Energy, and Pressurized Thermal Shock

Application Section: Technical Report MUAP-09016

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

05.03.02-9

GL 96-03 states that "LCO 3.X.X, "Low Temperature Overpressure Protection (LTOP) System," must reference the PTLR as the document where the limits and curves can be found. However, US-APWR TS 3.4.12, "Low Temperature Overpressure Protection (LTOP) System" provides the RHR suction relief valve setpoints within the LCO and does not reference the PTLR as the document where the LTOP setpoints can be found. Please revise US-APWR LCO 3.4.12 and the US-APWR PTLR (as needed) accordingly.

05.03.02-10

US-APWR TS 3.4.12, "Low Temperature Overpressure Protection (LTOP) System," states that the LCO is applicable in MODE 4 when any RCS cold leg temperature is \leq LTOP arming temperature specified in the PTLR. However, the LTOP arming temperature is not provided in the PTLR. Revise the PTLR to provide the LTOP arming temperature.