

REQUEST FOR ADDITIONAL INFORMATION 922-6409 REVISION 3

4/18/2012

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 10.04.08 - Steam Generator Blowdown System

Application Section: 10.4.8

QUESTIONS for Component Integrity Branch (CIB)

10.04.08-12

The staff requests that the applicant identify the design conditions for the steam generator blowdown system and how the changes made between Rev. 2 and Rev. 3 of the DCD affect the design margin. The applicant's December 12, 2011, response, to RAI 862-6165, Question 10.04.08-10 stated that the initial design (DCD Rev. 0 through Rev. 2) assumed 10% steam generator (SG) tube plugging. The response also implies that the design in DCD Rev. 3 does not assume 10% SG tube plugging. Some changes to the design parameters, such as reduced heat exchanger design heat duty and design flow rate, appear to reduce the design margin. Since the plant is likely to operate with some percentage of the SG tubes plugged, and since some changes appear to reduce the design margin, the basis for these changes remains unclear to the staff.