

REQUEST FOR ADDITIONAL INFORMATION 683-5251 REVISION 2

1/20/2011

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 08.04 - Station Blackout

Application Section: 8.4

QUESTIONS for Electrical Engineering Branch (EEB)

08.04-14

DCD Tier 2, Section 8.4.2.2 states that the AAC power system will be inspected and tested periodically to demonstrate operability and reliability. The DCD states that reliability of the AAC power system will meet or exceed 95 percent as determined in accordance with NSAC-108 or equivalent methodology to meet the Criterion 5 of Regulatory Position C.3.3.5 in RG 1.155. Because the inspection and testing to demonstrate operability and reliability will be conducted by the COL applicant over the lifetime of the NPP, the DCD should include these inspection and testing requirements as a COL Information Item. Provide an appropriate COL Information Item in a future revision of the DCD to ensure that the AAC power system will be inspected and tested periodically to demonstrate operability and reliability in accordance with RG 1.155, C3.3.5.