REQUEST FOR ADDITIONAL INFORMATION 656-5127 REVISION 2

11/15/2010

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 07.05 - Information Systems Important to Safety
Application Section: Section 7.5

QUESTIONS for Instrumentation, Controls and Electrical Engineering 2 (ESBWR/ABWR Projects) (ICE2)

07.05-19

SRP Section 7.5, Item 1.C of Part III, Review Procedures, states that a basis should be provided for EOP action points that accounts for measurement uncertainties. The staff could not find any discussion of EOP action points nor the process that will be used to develop the EOP action points in the DCD. The staff requests that MHI provide a discussion and a basis for EOP action points and the process that will be used to develop the EOP action points, taking into account any measurement uncertainties.

07.05-20

In Section 7.5.1.3, "Plant Annunciator (Alarm) System," of the US-APWR DCD Revision 2, states "As for all PCMS components, the alarm system is powered by redundant UPSs. The alarm system is designed and tested to a similar environmental, seismic, and EMI/RFI requirement as the PSMS." The staff requests MHI to provide a clarification and additional details on what the actual difference is between the PCMS and the PSMS systems in terms of their software V&V, seismic qualifications and environmental testing in accordance with GDC 1, "Quality standards and records".