

REQUEST FOR ADDITIONAL INFORMATION 684-5294 REVISION 2

1/20/2011

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 03.02.01 - Seismic Classification

Application Section: 3.2.1

QUESTIONS for Engineering Mechanics Branch 2 (ESBWR/ABWR Projects) (EMB2)

03.02.01-19

Since the response to RAI 03.02.01-15 does not adequately address the application of the terms of safety-related compared to important to safety in order to satisfy GDC 2, additional information is needed. Specifically clarify if the SSCs in Table 17.4-1 for seismic event (SM) in the column "Rationale" combined with other seismic Category II SSCs represent the complete list of nonsafety-related or risk significant SSCs that are important to safety and designed to withstand earthquakes consistent with GDC 2. In addition, the applicant is again requested to replace the term "safety related" with the term "important to safety" for clarity in complying with GDC 2.

03.02.01-20

The responses to 3.2.1 RAIs concerning ITAAC are not complete. Table 2.4 in Chapter 2 of the Tier 1 DCD, provides the required ITAAC information to address the interaction between structures, but it is not evident that ITAAC are included for all systems interactions. The applicant should demonstrate that ITAAC for a systems interaction review are sufficiently comprehensive of all Seismic Category II and NS SSCs and, if needed, reference a COL item for a systems interaction review, such as in DCD Section 3.7, and provide the information as defined in SRP 14.3.2. Clarify if there is an ITAAC for nonsafety-related, but important to safety SSCs and specifically provide the information defined in SRP 14.3.2. As appropriate, include a similar ITAAC to the one included for structures and a COL item if needed for the interaction between systems and components.