

REQUEST FOR ADDITIONAL INFORMATION 870-6102 REVISION 3

11/14/2011

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 03.09.03 - ASME Code Class 1, 2, and 3 Components

Application Section: SRP 3.9.3

QUESTIONS for Engineering Mechanics Branch 1 (AP1000/EPR Projects) (EMB1)

03.09.03-29

This RAI is a supplemental RAI of RAI 209-1803, Question 03.09.03-2:

Under 10 CFR 50.55a, "Codes and Standards", certain systems and components of pressurized-water-cooled nuclear power reactors must be designed, fabricated, erected, and tested in accordance with the standards for Class 1, 2, and 3 components given in Section III, "Nuclear Power Plant Components," of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code or equivalent quality standards.

Regulatory Guidance 1.26 (RG-1.26) provided Table 1 of industry code and standard requirements for Quality Group D components to be applied to water and steam-containing components that are not part of the reactor coolant pressure boundary (RCPB) or included in Quality Groups B or C, but are part of systems or portions of systems that contain or may contain radioactive material.

The staff requests that the applicant specify the industry code and standard requirements for the design of Quality Group D in US APWR DCD.