REQUEST FOR ADDITIONAL INFORMATION NO. 157-1954 REVISION 1

1/15/2009

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 09.02.06 - Condensate Storage Facilities
Application Section: 9.2.6

QUESTIONS for Balance of Plant Branch 1 (AP1000/EPR Projects) (SBPA)

09.02.06-1

RAI 9.2.6-1

GDC 2 establishes requirements with respect to the condensate storage facilities (CSF) design regarding protection against the effects of natural phenomena such as earthquakes, tornados, hurricanes and floods.

DCD Tier 2, Section 9.2.6.2, states that states that all system components meets design code requirements consistent with the component quality group and seismic design classification, and that provision is made for mitigating the environmental effects of system leakage or storage tank failure. However, details on the provisions made to mitigate environmental effects of system leakage and storage tank failures are not include in the DCD. Provide a discussion of the provisions and CSF design features to ensure adequate protection effects of natural phenomena and adherence to Position C.2 of Regulatory Guide 1.29, “Seismic Design Classification.” Include this information in the DCD and provide a markup in your response.

RAI 9.2.6-2

According to SRP 9.2.6 Section III, Item 3.E, condensate tank overflow should be connected to the radwaste system. GDC 60 requires that a means be provided to control the release of radioactive materials in liquid effluents. However, the DCD does not appear to provide any discussion related to the routing of overflow from the CSF.

Provide a discussion that describes how the CSF complies with GDC 60, and SRP 9.2.6 Section III, Item 3.E. Include this information in the DCD and provide a markup in your response.