

US-APWRRRAIsPEm Resource

From: Ciocco, Jeff
Sent: Monday, July 16, 2012 8:18 AM
To: us-apwr-rai@mhi.co.jp; US-APWRRRAIsPEm Resource
Cc: Chen, Pei-Ying; Colaccino, Joseph; Galvin, Dennis; Snyder, Amy; Hamzehee, Hossein
Subject: US-APWR Design Certification Application RAI 951-6587 (3.10)
Attachments: US-APWR DC RAI 951 EMB 6587.pdf

MHI,

The attachment contains the subject request for additional information (RAI). This RAI was sent to you in draft form. Your licensing review schedule assumes technically correct and complete responses within 30 days of receipt of RAIs.

Please submit your RAI response to the NRC Document Control Desk.

Thank you,

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REQUEST FOR ADDITIONAL INFORMATION 951-6587

Issue Date: 7/16/2012

Application Title: US-APWR Design Certification - Docket Number 52-021

Operating Company: Mitsubishi Heavy Industries

Docket No. 52-021

Review Section: 03.10 - Seismic and Dynamic Qualification of Mechanical and Electrical Equipment

Application Section: 3.10

QUESTIONS

03.10-18

As a result of seismic reanalysis for US-APWR, the plant layout, equipment location, and the input loadings for the mechanical and electrical equipment (i. e., In-structure Response Spectra, ISRS) in the plant might have been changed. The staff is concerned about its impact on the US-APWR DCD Section 3.10, seismic and dynamic qualification of mechanical and electrical equipment. The applicant is requested to provide the following information:

1. Using Table 3.2-2 of the US-APWR DCD as a base, identify the mechanical and electrical equipment that are impacted by the seismic reanalysis and indicate the specific method of seismic qualification (by analysis, testing, or a combination of analysis and testing) for each item of the Seismic Category I and II equipment in the Table. Reevaluate the seismic qualification of all mechanical and electrical equipment as identified that are impacted by the increase in the seismic input loadings (ISRS). Provide a summary of reevaluation results.
2. Confirm the validity of the previous responses to each RAI for US-APWR DCD Section 3.10, as a result of seismic reanalysis. If necessary, provide supplemental response information to each RAI to address the issues caused by the increase in the seismic input loadings (ISRS).

