

US-APWRRRAIsPEm Resource

From: Ward, William
Sent: Monday, August 13, 2012 4:16 PM
To: 'us-apwr-rai@mhi.co.jp'
Cc: Ciocco, Jeff; Snyder, Amy; Reyes, Ruth; Donoghue, Joseph; Gilmer, James; US-APWRRRAIsPEm Resource
Subject: US-APWR Design Certification Application RAI 953-6437 (4.2) [RESEND]
Attachments: US-APWR DC RAI 953 SRSB 6437.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. However, MHI requests and we grant 45 days to respond to the RAI. We will adjust the schedule accordingly.

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

Thank you,

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From: Ward, William

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REQUEST FOR ADDITIONAL INFORMATION 953-6437

Issue Date: 8/10/2012

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

Operating Company: Mitsubishi Heavy Industries

Docket No. 52-021

**Review Section: 04.02 - Fuel System Design
Application Section: DCD 4.2**

QUESTIONS

04.02-64

In Section 5.0 of Technical Report MUAP-11017-P, it is concluded that the flow induced vibration results were acceptable. Provide the basis for this conclusion, including the acceptance criteria and source reference.

04.02-65

10CFR50.46, "Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors", Section (b)(4), Coolable geometry requires that calculated changes in core geometry shall be such that the core remains amenable to cooling. Provide the results and description of assumptions made in the analysis for the design basis large break LOCA which demonstrates that coolable geometry can be maintained following a LOCA. This need not assume a concurrent seismic event.