

US-APWRRAlsPEm Resource

From: Ciocco, Jeff
Sent: Wednesday, February 27, 2013 10:06 AM
To: us-apwr-rai@mhi.co.jp; US-APWRRAlsPEm Resource
Cc: Schmidt, Jeffrey; Donoghue, Joseph; Kallan, Paul; Hamzehee, Hossein
Subject: US-APWR Design Certification Application RAI 998-7025 (5.4.7)
Attachments: US-APWR DC RAI 998 SRSB 7025.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 998-7025

Issue Date: 2/27/2013

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

Operating Company: Mitsubishi Heavy Industries

Docket No. 52-021

Review Section: 05.04.07 - Residual Heat Removal (RHR) System
Application Section:

QUESTIONS

05.04.07-16

This RAI (7025) is a follow-up to RAI 6413. RAI 6413 questions the susceptibility of the US-APWR RHR system to potential vortex induced air ingestion and the impact to RHR pump performance and reliability. An on-site audit was held on Oct 9th, 2012 which reviewed 1/2 scale RHR inlet pipe test results. The staff stated during the audit that the information was insufficient and in subsequent telecons discussed potential options that MHI could follow to provide the needed information. The audit report documented that insufficient information was provided for the staff to make a safety determination. In response to this follow-up question, MHI should determine what option to follow and provide the related information.

