

US-APWRRAlSPeM Resource

From: Ciocco, Jeff
Sent: Tuesday, October 09, 2012 8:27 AM
To: us-apwr-rai@mhi.co.jp; US-APWRRAlSPeM Resource
Cc: Schmidt, Jeffrey; Donoghue, Joseph; Takacs, Michael; Snyder, Amy; Hamzehee, Hossein
Subject: US-APWR Design Certification Application RAI 965-6710 (15.4.6)
Attachments: US-APWR DC RAI 965 SRSB 6710.pdf; image001.jpg

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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Hearing Identifier: Mitsubishi_USAPWR_DCD_eRAI_Public
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Subject: US-APWR Design Certification Application RAI 965-6710 (15.4.6)
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Received Date: 10/9/2012 8:26:35 AM
From: Ciocco, Jeff

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MESSAGE	496	10/9/2012 8:26:35 AM
US-APWR DC RAI 965 SRSB 6710.pdf		59544
image001.jpg	3989	

Options

Priority: Standard
Return Notification: No
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Request for Additional Information 965-6710

Issue Date: 10/9/2012

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

Operating Company: Mitsubishi Heavy Industries

Docket No. 52-021

Review Section: 15.04.06 - Inadvertent Decrease in Boron Concentration in the Reactor
Coolant (PWR)

Application Section:

QUESTIONS

15.04.06-11

In response to RAI 682-5367 (UAP-HF-11104) the applicant still requests that planned RCS dilutions in Modes 4 and 5, with no RCPs running, be allowed by TS. The staff is concerned that dilutions without an RCP running could create an unanalyzed condition where diluted water could potentially enter the core leading to a localized criticality. Has the potential of localized core dilutions been evaluated to support planned dilutions without RCPs running? Provide a detailed justification for why a localized criticality would not occur.

