

US-APWRRAlSPeM Resource

From: Ciocco, Jeff
Sent: Tuesday, October 09, 2012 8:20 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 964-6704 (15.4.4 - 15.4.5)
Attachments: US-APWR DC RAI 964 SRSB 6704.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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Subject: US-APWR Design Certification Application RAI 964-6704 (15.4.4 - 15.4.5)
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From: Ciocco, Jeff

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MESSAGE	496	10/9/2012 8:19:37 AM
US-APWR DC RAI 964 SRSB 6704.pdf		59296
image001.jpg	3989	

Options

Priority: Standard
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Request for Additional Information 964-6704

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: 15.04.04-15.04.05 - Startup of an Inactive Loop or Recirculation Loop at an Incorrect Temperature, and Flow Controller Malfunction Causing an Increase in BWR Core Flow Rate

Application Section:

QUESTIONS

15.04.04-2

In response to RAI 903-6325, Rev. 3, Question 15.4.4-15.4.5-1 (UAP-HF-1207), the applicant stated the core remains sub-critical with the startup of an inactive RCP in Modes 5-3 with the most positive ITC. The staff is requesting the minimum transient keff value starting at the point of minimal initial subcritical margin with the allowed most positive ITC (including uncertainties) and maximum heatup of the RCS by starting a RCP. How is the allowed most positive ITC controlled on a reload basis? Analysis assumptions, methods and results should be documented in DCD Chapter 15.4.4.

