

US-APWRRAlSPeM Resource

From: Ciocco, Jeff
Sent: Thursday, November 15, 2012 8:13 AM
To: us-apwr-rai@mhi.co.jp; US-APWRRAlSPeM Resource
Cc: McNally, Richard; Clark, Theresa; Galvin, Dennis; Hamzehee, Hossein
Subject: US-APWR Design Certification Application RAI 976-6934 (3.2.2)
Attachments: US-APWR DC RAI 976 EMB 6934.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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REQUEST FOR ADDITIONAL INFORMATION 976-6934

Issue Date: 11/15/2012

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

Operating Company: Mitsubishi Heavy Industries

Docket No. 52-021

Review Section: 03.02.02 - System Quality Group Classification
Application Section:

QUESTIONS

03.02.02-24

The response to RAI 914-6365, Question 03.02.02-21 clarified that the permanent cavity seal (PCS) is a not a pressure retaining component, and as a result quality group (QG) and the ASME Section III Code do not apply, but the design is to ASME Section III ND with no Code certification or ITAAC required. The response to RAI 724-5524, Question 03.02.02-20 further defined the PCS as Equipment Class 3, QG N/A, Quality Assurance Class "Q" and Seismic Category I with codes and standards as defined in the design bases. DCD Tier 2 Table 3.2-3 shows Equipment Class 3 as QG C. Although staff concurs that a QG is not required for a component that is not pressure retaining or supporting a pressure retaining component, the ASME Section III Code does include attachments, and the boundary for attachments is to be defined in ASME design specifications. Further, there should be an ITAAC or other verification method to ensure the correct classification and integrity of the attachment weld. Therefore, the applicant is requested to:

(a) clarify the ASME Code Class jurisdictional boundary for the attachment to the ASME Section III Class 1 RPV

(b) confirm that an ITAAC or other verification applies to the attachment weld to the RPV

(c) clarify in DCD Tier 2 Table 3.2-2 and Table 3.2-3 that the design of the Equipment Class 3 PCS is to ASME Section III Class 3 without ASME Code certification (with reference to DCD Tier 2 Section 9.1.4.2.1.13)

