

US-APWRRAlSPeM Resource

From: Ciocco, Jeff
Sent: Tuesday, May 29, 2012 2:15 PM
To: us-apwr-rai@mhi.co.jp; US-APWRRAlSPeM Resource
Cc: Welch, Christopher; Kowal, Mark; Otto, Ngola; Hamzehee, Hossein; McKirgan, John
Subject: US-APWR Design Certification Application RAI 937-6478 (14.3.11, Tier 1, 2.11)
Attachments: US-APWR DC RAI 937 CITB 6478.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 60 days to respond to this 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 937-6478 REVISION 3

5/29/2012

US-APWR Design Certification

Mitsubishi Heavy Industries

Docket No. 52-021

SRP Section: 14.03.11 - Containment Systems and Severe Accidents - Inspections, Tests, Analyses,
and Acceptance Criteria
Application Section: Tier 1, 2.11

QUESTIONS for ITAAC Branch (CITB)

14.03.11-44

Tier 1 Table 2.11.1-1, ITAAC 3 - The term "physical arrangement" is more appropriate than "functional arrangement". The second part of the ITAAC (i.e. verification of the dimensions) should be clearly delineated in the DC/ITAC/AC.

14.03.11-45

Tier 1 Table 2.11.1-1, ITAAC 4 - The ITAAC lacks specificity as to the number, location, and size of the required drain lines.

14.03.11-46

Tier 1 Table 2.11.1-1, ITAAC 5 - The ITAAC lacks specificity. A diagram should be provided with the necessary details to verify its adequacy.

14.03.11-47

Tier 1 Table 2.11.1-1, ITAAC 6 - What is the intent of the analysis? The required dimensions are given.

14.03.11-48

Tier 1 Table 2.11.2-2, ITAAC 6.a.i - Table 2.11.2-1 identifies RMS-MOV-003 as not required to be qualified for a Harsh Environment but Appendix 3D Table 2D-2 identifies the valve is in a harsh radiation environment.

14.03.11-49

Tier 1 Table 2.11.2-2, ITAAC 14 - Clarify the ITAAC, MOVs fail as is with loss of motive power?

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14.03.11-50

Tier 1 Table 2.11.2-2, ITAAC 15 - The ITAAC should be verified by test not inspection.

14.03.11-51

Tier 1 Table 2.11.4-1, ITAAC 6 - The ITAAC should be verified by test not inspection.

