

US-APWRRRAIsPEm Resource

From: Ciocco, Jeff
Sent: Monday, March 04, 2013 10:37 AM
To: us-apwr-rai@mhi.co.jp; US-APWRRRAIsPEm Resource
Cc: Bongarra, James; Junge, Michael; Ward, William; Hamzehee, Hossein
Subject: US-APWR Design Certification Application RAI 1006-6998 (18)
Attachments: US-APWR DC RAI 1006 COLP 6998.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 is currently working to provide the NRC with a schedule of ongoing HFE work. The schedule will include dates for the submission of this RAI response. We will adjust the schedule accordingly.

Please submit your RAI response to the NRC Document Control Desk.

Thank you,

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From: Ciocco, Jeff

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US-APWR DC RAI 1006 COLP	6998.pdf	59751
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Options

Priority: Standard
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REQUEST FOR ADDITIONAL INFORMATION 1006-6998

Issue Date: 3/4/2013

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

Operating Company: Mitsubishi Heavy Industries

Docket No. 52-021

Review Section: 18 - Human Factors Engineering
Application Section:

QUESTIONS

18-245

DCD R-3 (redline/strikeout version provided after the September 6, 2012 public meeting) P. 18.3-1, section 18.3.1, Objectives and Scope.

This first paragraph still does not describe the objectives and scope for both the FRA and FA activities. It emphasizes only FA. See MUAP-07007 (R5), section 5.3, first paragraph, and MUAP-09019 (R2), 1.1, for acceptable examples of how the DCD section 18.3.1 should be written. Please reconcile this discrepancy.

18-246

DCD R-3 (redline/strikeout version provided after the September 6, 2012 public meeting) P. 18.3-2; 18.3-7: MHI refers to IEC 964 (and Appendix A.3). MUAP-09019, R2, p. 2-12, references IEC 60964, with a 1989 date. MUAP-09019, R2, p. 2-13, references IEC 60964, with a 2009 date. This is confusing and seemingly inaccurate.

Please explain, did MHI use one or both documents to develop the US APWR FRA/FA and clarify how each document was used.

18-247

MUAP-07007 (R5), p. 109, section 5.3 states: "Other detailed allocation changes are described in the Plant Licensing Documents."

Please explain what these "other detailed allocation changes" are, providing examples. Also, why are these changes described in other documents and not in the FRA/FA results report?

