

US-APWRRRAIsPEm Resource

From: Ciocco, Jeff
Sent: Monday, March 04, 2013 10:55 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 1009-7009 (18)
Attachments: US-APWR DC RAI 1009 COLP 7009.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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Received Date: 3/4/2013 10:54:55 AM
From: Ciocco, Jeff

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Options

Priority: Standard
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REQUEST FOR ADDITIONAL INFORMATION 1009-7009

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

18-255

OER MUAP-08014 (R1), P. 137, section, 3.2 states: "The OER identified potential human engineering deficiencies (HEDs) that could exist in the US-APWR HSI."

HED is defined elsewhere (e.g., MUAP-09019, p. xi and MUAP-08014, p. x) as "human engineering discrepancy." Which is the correct definition? Please resolve this inconsistency.

18-256

OER MUAP-08014 (R1), P. 144, does not identify tables 11 and 12 as being included as part of the OER results report; these tables merely appear at the end of the report. Table 11 is not mentioned or discussed anywhere in the text.

In addition, MUAP-08014 (R1), P. 295, item 1, refers to an "attached table 4a" that summarizes three touch screen features (infrared, ultrasonic, and resistance film). There is no table 4a attached to the document. However, there is table 11 (p. 296), although not mentioned as previously stated, which does discuss these screen features.

Please explain or reconcile these citation discrepancies.

18-257

OER MUAP-08014 (R1), P. 309, section 9, reference 9-1 states: "Design Control Document for the US-APWR, Chapter 18, Human Factors Engineering, MUAP DC018, Rev. 1, August 2008." This reference is outdated. DCD Revision 3 was issued in March 2011 and Revision 4 will be issued in the near future. Please resolve this discrepancy.

