

US-APWRRRAIsPEm Resource

From: Ward, William
Sent: Thursday, September 05, 2013 5:10 PM
To: 'us-apwr-rai@mhi.co.jp'; US-APWRRRAIsPEm Resource
Cc: Buckberg, Perry; Dixon-Herrity, Jennifer; Otto, Ngola; Terao, David; Honcharik, John
Subject: US-APWR Design Certification Application RAI 1052-7205 (14.3.7)
Attachments: US-APWR DC RAI 1052 CIB1 7205.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 35 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 1052-7205

Issue Date: 09/05/2013

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

Operating Company: Mitsubishi Heavy Industries

Docket No. 52-021

Review Section: 14.03.07 - Plant Systems - Inspections, Tests, Analyses, and Acceptance
Criteria

Application Section: Tier 1, Table 2.7.1.1-1

QUESTIONS

14.03.07-94

The response dated June 26, 2013, to RAI No. 782-5910, Revision 3, Question 14.03.07-58 is not acceptable, since the turbine missile generation probability was not adequately addressed in Tier 1 as originally requested in RAI No. 782-5910. Specifically, the acceptance criteria for the probability of a turbine missile were deleted from Section 2.7.1.1.1 and the ITAAC in Table 2.7.1.1-1 of the DCD, Tier 1. Therefore, the NRC staff requests the following be added in Section 2.7.1.1.1 and ITAAC 2 (Acceptance Criteria) in Table 2.7.1.1-1 of the DCD, Tier 1:

The acceptance criteria for the probability of a turbine missile is less than 10^{-5} per year.

As an alternative to the above, the Technical reports MUAP-07028, Revision 2 and MUAP-07029, Revision 3 could be designated as Tier 2*. The technical reports include the valid assumptions, material properties and methodology, which meets the acceptance criteria of a probability of a turbine missile being less than 10^{-5} per year. Therefore, as an alternative, Technical reports MUAP-07028, Revision 2 and MUAP-07029, Revision 3 can be designated as Tier 2*, with the Tier 2* designation to expire at first full power operation.