

From: Paige, Jason
Sent: Monday, November 01, 2010 4:21 PM
To: Franzone, Steve
Subject: EPU Acceptance Review Question RE Equivalent Margin Analysis

Steve, below is an acceptance review question from the Vessels and Internals Integrity (CVIB) technical reviewer. After you review the question, let me know if you need a conference call with the reviewer to discuss.

CVIB 1 In Section 2.1.2.2.5 of the Licensing Report on page 2.1.2-6, under the discussion of Upper Shelf Energy the licensee states that an Equivalent Margins Analysis (EMA) has been performed. This analysis was performed to demonstrate that reactor vessel materials that don't meet the criterion of 10 CFR 50 Appendix G of a use of 50 ft-lbs, minimum, still have acceptable margins against fracture. The licensee referenced an EMA analysis in their license renewal application. However, the one referenced in the EPU licensing report should be an updated analysis that accounts for the increase in neutron fluence due to the EPU. Provide the updated EMA analysis that accounts for the increase in neutron fluence due to the EPU or justify why the original EMA analysis that was referenced in the license renewal and EPU application was not affected by the EPU.

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