

**From:** David Tang  
**To:** Tim McGinty  
**Date:** Tue, Jun 20, 2000 3:39 PM  
**Subject:** MY SAR Revision, 6/19/00

Tim, NAC responded satisfactorily 5 out of the 6 questions we post or communicated to them for their 5/30/00 revision. They missed our first question, however.

In Q1, we asked: "Is the fracture toughness of the alternate material SA-182 comparable to that of SA-240 for its effects on determining critical flaw sizes for the TSC closure plate?" We agree that the austenitic stainless steels SA-240 and SA-182 do not experience a ductile-to-brittle transition for the range of the temperature of interest, as asserted in NAC's response. However, for the analysis based on the J-integral/tearing modulus approach described in SAR Subsection 3.4.4.1.11, NAC still needs to evaluate whether the critical flaw sizes determined for SA-240 will bound those for SA-182.

David

**CC:** Earl Easton, Eric Leeds, Jack Guttman, Kimberl...

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