

Knowledge Gaps

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High priority

1. PWSCC susceptibility of HAZ
2. Effect of weld defects in 52(M)/152 on PWSCC susceptibility
3. Effect of weld composition & welding procedure (including dilution effects) on PWSCC and LTCP
4. Welding fabrication and repair effects on defect population, residual stresses and susceptibility

Medium-high priority

5. Reduced resistance to PWSCC due to thermo-mechanical processing of A690 (e.g. 1-D rolling)
6. Resolution of contradictory CGR findings among labs for 52(M)/152
7. Relevance of thermo-processing modes (e.g. 1-D rolling) to plant installations

Medium priority

8. Importance of LTCP to operating plants for A690 and welds
9. CGR flaw disposition curves for A690/52/152

Low-medium priority

10. Detailed information on actual replacement components in the field
11. Crack initiation data on heterogeneously deformed A690 that has shown high CGR values