Attachment 2

Revisions to Select Figures for Letter LTR-NRC-13-6 to Fulfill Conditions 6 and 7 of the SER for WCAP-12610-P-A & CENPD-404-P-A Addendum 1-A (Non-Proprietary)

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The measured fast flux data for assemblies A1, A5, A3 and A2 were revised using an improved analysis method. In addition, there were very small corrections in the stress analyses for the Vogtle creep/growth data that have been made. These updates have resulted in minor changes in the figures in LTR-NRC-13-6, Section 3: Condition 7 Compliance- Creep/Growth Data, and in Figure 23 in Section 4: comparison of profilometry data with predictions. These minor changes in figures do not change the conclusions and discussions. Therefore, only the updated figures and the corrected measured fast flux values are updated below. The rest of LTR-NRC-13-6 remains unchanged.

3.2 Creep/Growth Irradiation Conditions

The average measured values are [

]^{a,c}.

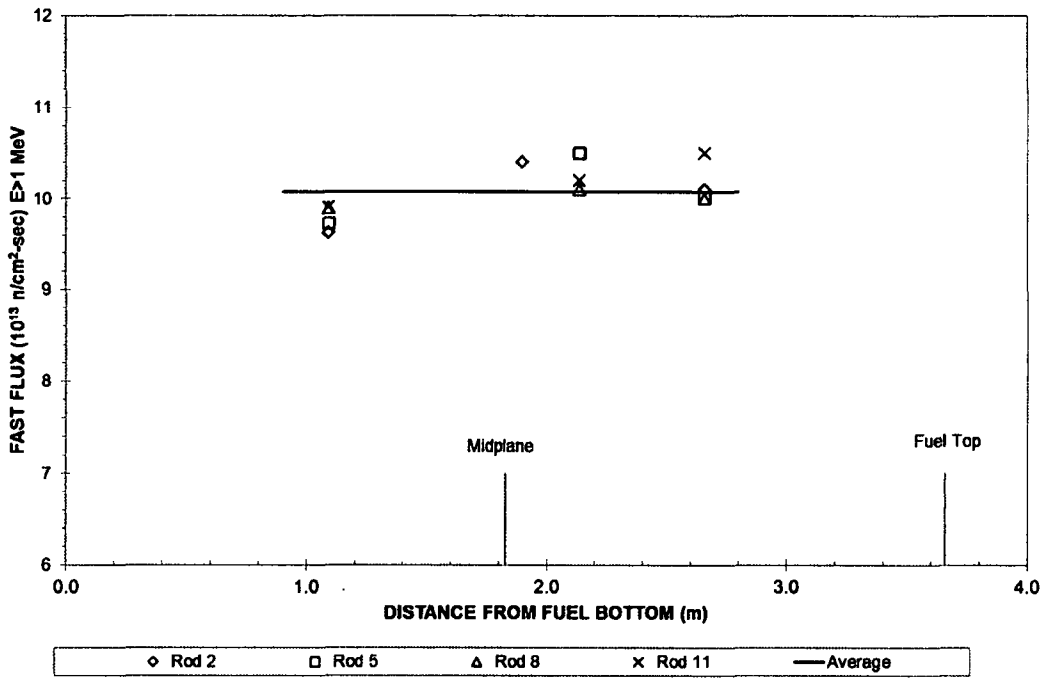


Figure 7 - Measured Fast Flux for Test Assembly A1 - 1 Cycle Irradiation

Figure 8 - Measured Fast Flux for Test Assembly A5 - 1 Cycle Irradiation

Figure 9 - Measured Fast Flux for Test Assembly A3 - 2 Cycles of Irradiation


a,b,c

Figure 10 - Measured Fast Flux for Test Assembly A2 - 3 Cycles of Irradiation


a,b,c

Figure 11 - ZIRLO Irradiation Growth after 1 Cycle (Test Assembly A1).

a,b,c

Figure 12 - ZIRLO Irradiation Growth after 2 Cycles (Test Assembly A3)

a,b,c

Figure 13 - ZIRLO Irradiation Growth after 3 Cycles (Test Assembly A2)

a,b,c

Figure 14 - ZIRLO Irradiation Creep after 1 Cycle (Test Assembly A1).

a,b,c

Figure 15 - ZIRLO Irradiation Creep after 2 Cycles (Test Assembly A3)

[ ]a,b,c

Figure 16 - ZIRLO Irradiation Creep after 3 Cycles (Test Assembly A2), [ ]a,c

[ ]a,b,c

Figure 17 - ZIRLO Irradiation Creep after 3 Cycles (Test Assembly A2), [ ]a,c


a,b,c

Figure 18 - Irradiation Creep in Tension and Compression after 1 Cycle (Test Assembly A1)


a,b,c

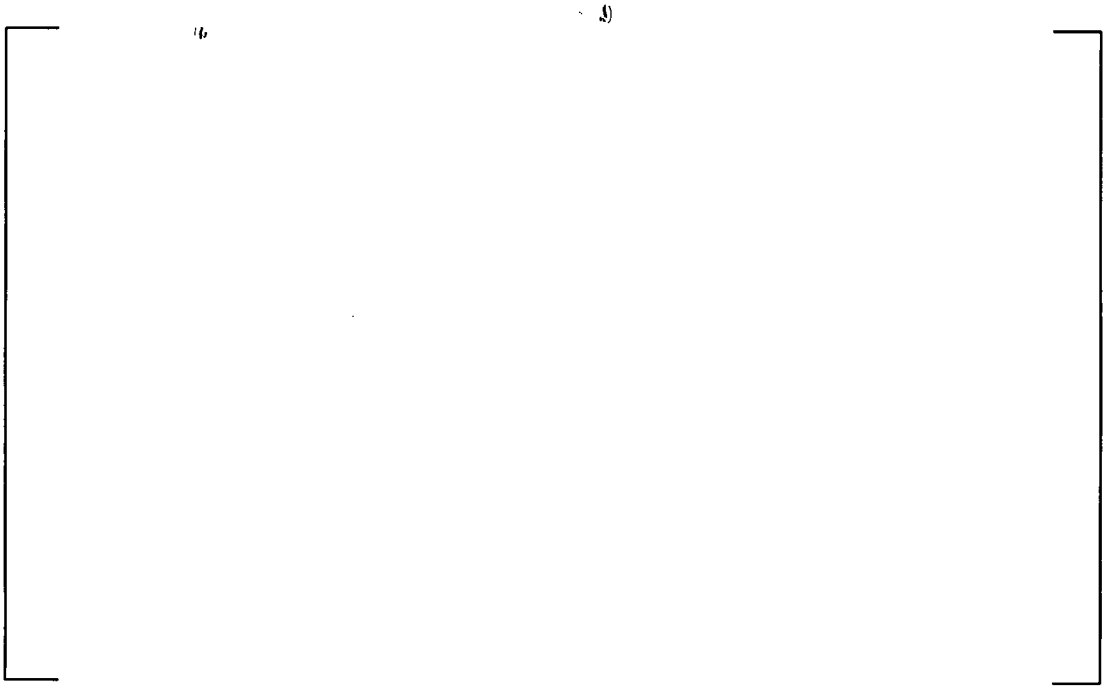
Figure 19 - Irradiation Creep in Tension and Compression after 1 Cycle (Test Assembly A5)


a,b,c

Figure 20 - Irradiation Creep in Tension and Compression after 2 Cycles (Test Assembly A3)


a,b,c

Figure 21 - Irradiation Creep in Tension and Compression after 3 Cycles (Test Assembly A2)



a,b,c

Figure 22 - Fluence Dependence of ZIRLO Irradiation Creep in Tension and Compression

4.0 Comparison of Profilometry Data with Predictions

a,b,c

Figure 23 - PAD 4.0 and STAV Predictions for the Measured Vogtle Specimens