(41)

11/14 Davis-Besse

B&W heat 91069 ("Heat 69")

heat 69 is not at Davis-Besse - or any other B&W

13 heats @ B&W plants - have looked at 7 through replications, none are as bad as heat #69
none of the other 13 heats have been tested

2000
no deposits on 85% of the head per systems engineer responsible for 2000 inspections

Fig 15 → K curve is
theirs more conservative
1ST failures shifted by 1 RFO at a minimum

used hill-side nozzles

initial flaw size = 172°, 0.5 mm deep
and grows to 180° TWC in ~~48~~ 42 months (3.5 years)
48.8 years from initial flaw to 270°

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4 nozzles -- only axial leaks, 4ksi max through-wall stress

- proprietary version of the preliminary technical assessment
  - a bracketed version
  - a licensed version

B-130