



FIGURE 3.2-3b UNIT 2 RCS FLOWRATE VERSUS R_1 AND R_2 - FOUR LOOPS IN OPERATION

Attachment 2

Insert X

Fuel rod bowing reduces the value of DNB ratio. Credit is available to partially offset this reduction. This credit comes from generic or plant specific design margin. For McGuire Units 1 and 2, the margin used to partially offset rod bow penalties is 9.1 percent. This margin breaks down as follows:

1) Design limit DNBR	1.6%
2) Grid spacing K_S	2.9%
3) Thermal Diffusion Coefficient	1.2%
4) DNBR Multiplier	1.7%
5) Pitch Reduction	<u>1.7%</u>

For McGuire Unit 2, the margin used to partially offset rod bow penalties is 5.9 percent with the remaining 3.2 percent used to trade off against measured flow being as much as 2 percent lower than thermal design flow plus uncertainties. The penalties applied to $F_{\Delta H}^N$ to account for rod bow (Figures 3.2-4 Unit 1 and Unit 2) as a function of burnup are consistent with those described in Mr. John F. Stolz's (NRC) letter to T. M. Anderson (Westinghouse) dated April 5, 1979 with the difference being due to the amount of margin each unit uses to partially offset rod bow penalties.