

UNIT 2

TABLE 1CRITICAL BORON MEASUREMENTS

	<u>Measured</u>	<u>Predicted</u>
All Rods Out, 532°F	1494 ppm	1512 ± 100 ppm
CEA Group 5, 4, 3, 2, 1	1234 ppm	1248 ± 100 ppm

TABLE 2ISOTHERMAL TEMPERATURE COEFFICIENTS AND POWER COEFFICIENTS

	<u>ITC</u>	
	<u>Measured</u>	<u>Predicted</u>
Zero Power, CEA Group 5 at 105" Withdrawn 102"	.415 + .396 x 10 ⁻⁴ Δρ/°F	+ .382 ± .3 x 10 ⁻⁴ Δρ/°F
50% Power, CEA Group 5 at 105" Withdrawn 102"	+ .101 x 10 ⁻⁴ Δρ/°F	+ .113 ± .3 x 10 ⁻⁴ Δρ/°F
100% Power, CEA Group 5 at 105" Withdrawn 102"	- .212 x 10 ⁻⁴ Δρ/°F	- .145 ± .3 x 10 ⁻⁴ Δρ/°F

POWER COEFFICIENT

50% Power, CEA Group 5 at 105" Withdrawn 102"	-1.208 x 10 ⁻⁴ Δρ/% power	-1.083 ± .2 x 10 ⁻⁴ Δρ/% power
100% Power, CEA Group 5 at 105" Withdrawn 102"	-0.999 x 10 ⁻⁴ Δρ/% power	- .884 ± .2 x 10 ⁻⁴ Δρ/% power