

## UNIT 1

TABLE 1

CRITICAL BORON MEASUREMENTS

<u>Measured</u>	<u>Predicted</u>	
All Rods Out, 532°F	1300 ppm	1302 ± 100 ppm
CEA Group 5, 4, 3, 2, 1	1008 ppm	1028 ± 100 ppm

TABLE 2

ISOTHERMAL TEMPERATURE COEFFICIENTS AND POWER COEFFICIENTS

<u>Measured</u>	<u>ITC</u> <u>Predicted</u>	
Zero Power, CEA Group 5 at 105" Withdrawn 102"	$+ .24 \times 10^{-4} \Delta \rho / ^\circ \text{F}$	$+ .257 \pm .3 \times 10^{-4} \Delta \rho / ^\circ \text{F}$
50% Power, CEA Group 5 at 105" Withdrawn 102"	$-.1088 \times 10^{-4} \Delta \rho / ^\circ \text{F}$	$-.055 \pm .3 \times 10^{-4} \Delta \rho / ^\circ \text{F}$
100% Power, CEA Group 5 at 105" Withdrawn 102"	$-.418 \times 10^{-4} \Delta \rho / ^\circ \text{F}$	$-.384 \pm .3 \times 10^{-4} \Delta \rho / ^\circ \text{F}$

POWER COEFFICIENT

50% Power, CEA Group 5 at 105" Withdrawn 102"	$-1.132 \times 10^{-4} \Delta \rho / \% \text{ power}$	$-1.011 \pm .2 \times 10^{-4} \Delta \rho / \% \text{ power}$
100% Power, CEA Group 5 at 105" Withdrawn 102"	$-1.02 \times 10^{-4} \Delta \rho / \% \text{ power}$	$-.869 \pm .2 \times 10^{-4} \Delta \rho / \% \text{ power}$