

Attachment 2

Pressure and Temperature Limits Report, Revision 0

FLORIDA POWER CORPORATION

CRYSTAL RIVER UNIT 3

PRESSURE/TEMPERATURE LIMITS REPORT

REVISION 0

Referencing
Improved Technical Specifications

1.0 Pressure/Temperature Limits

This Pressure-Temperature Limits Report for CR3 has been prepared in accordance with the requirements of Technical Specification Section 1.1 and 5.6.2.19. The pressure/temperature (P/T) limits have been developed using the methodology provided in the references.

The following pressure-temperature limits are included in this report:

- 1) Allowable plant heatup and cooldown rates
- 2) Plant heatup P/T curve
- 3) Plant cooldown P/T curve
- 4) Plant inservice leak and hydrostatic testing P/T curve

2.0 References

1. B&W Fuel Company, topical report BAW-10046A, Rev. 2, "Methods of Compliance With Fracture Toughness and Operational Requirements of 10 CFR 50, Appendix G," June 1986.

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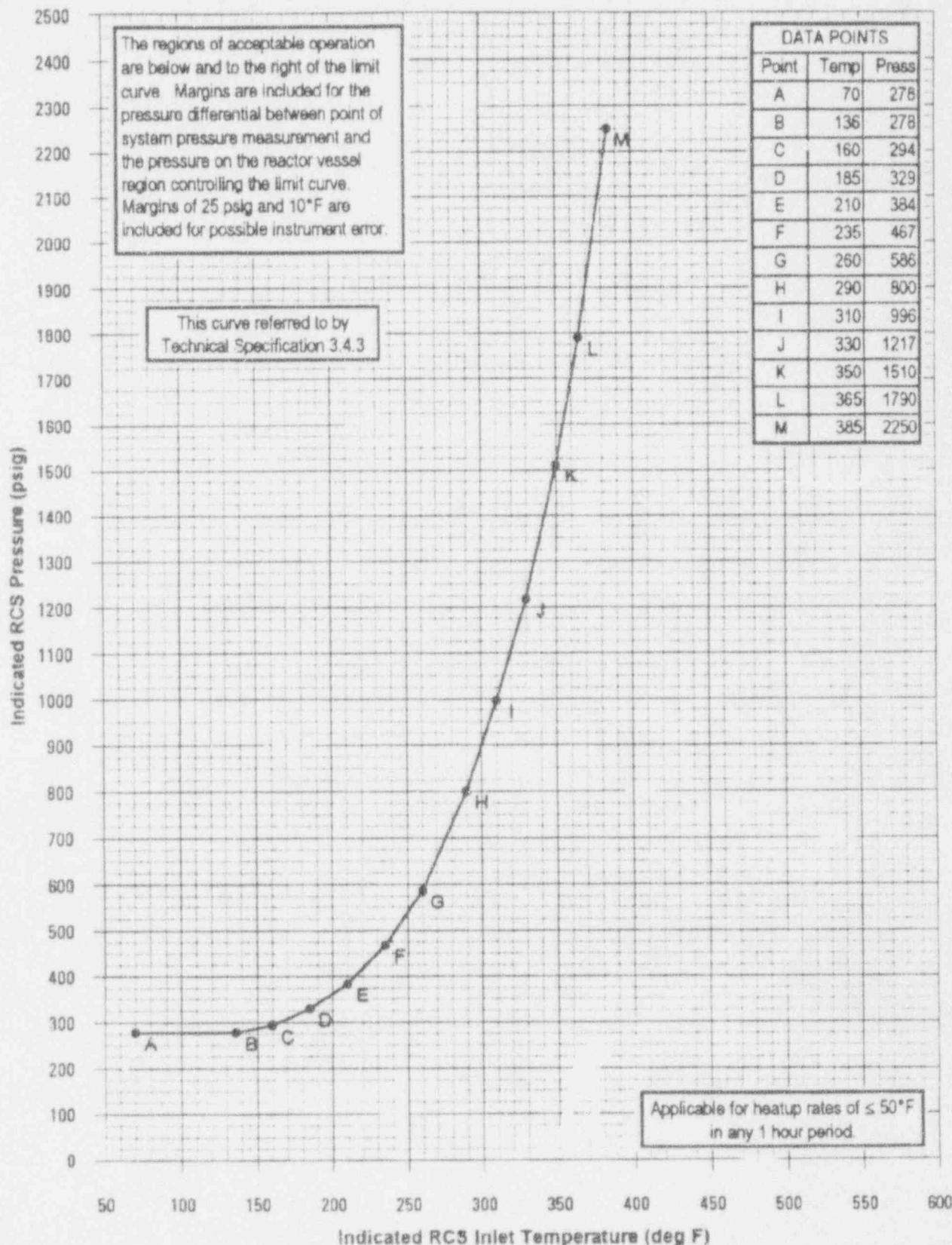
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ALLOWABLE HEATUP AND COOLDOWN RATES

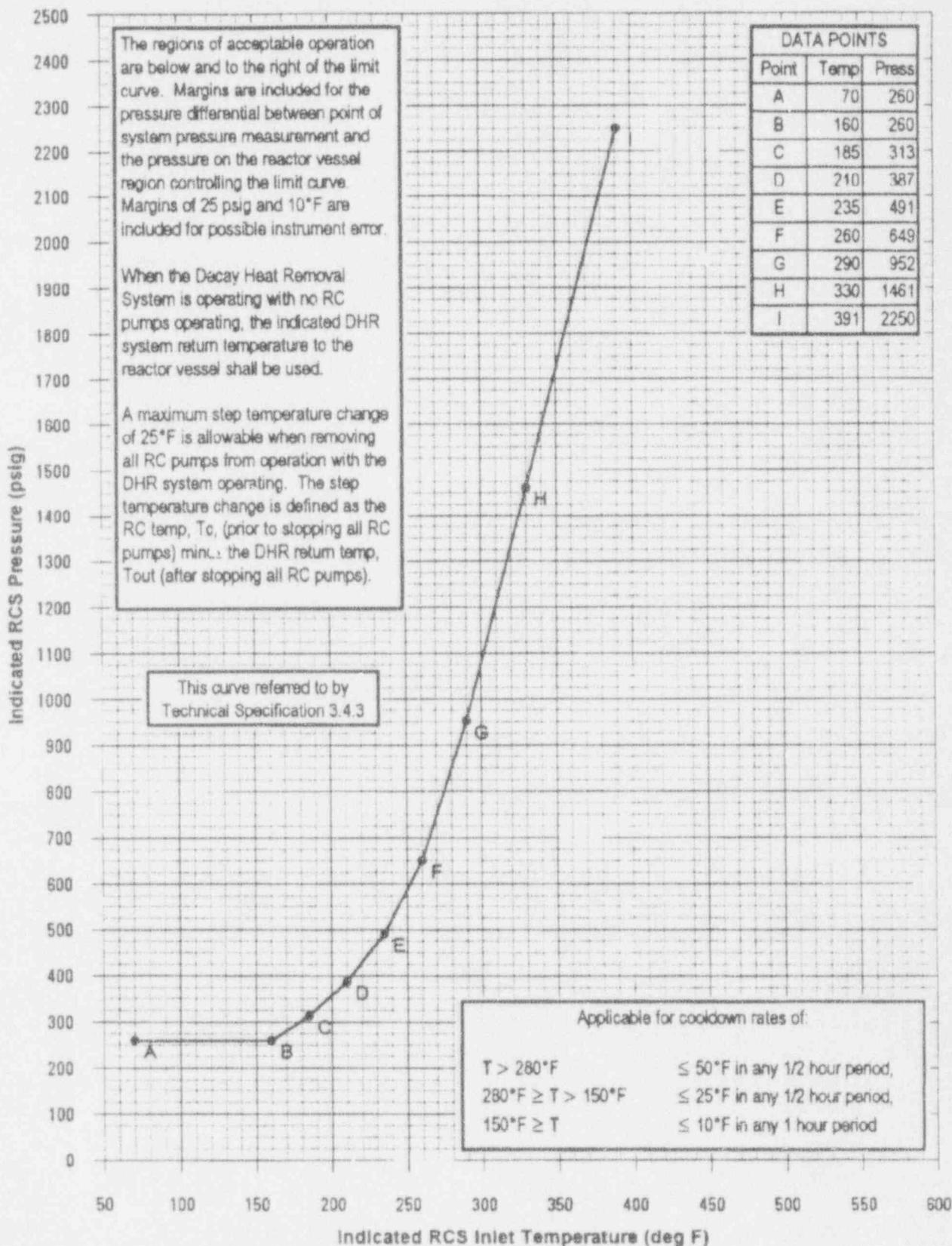
- a. A maximum heatup of 50°F in any one hour period,
- b. For the temperature ranges specified below, the cooldown rates are:
 - i. $T > 280^{\circ}\text{F}$ $\leq 50^{\circ}\text{F}$ in any 1/2 hour period,
 - ii. $280^{\circ}\text{F} \geq T > 150^{\circ}\text{F}$ $\leq 25^{\circ}\text{F}$ in any 1/2 hour period,
 - iii. $150^{\circ}\text{F} \geq T$ $\leq 10^{\circ}\text{F}$ in any 1 hour period
- and,
- c. A maximum temperature change of less than or equal to 5°F in any one hour period during hydrostatic testing operations above system design pressure.

These limits are referred to by
Technical Specification 3.4.3.

REACTOR COOLANT SYSTEM PRESSURE-TEMPERATURE LIMITS FOR HEATUP FOR FIRST 15 EFPY



REACTOR COOLANT SYSTEM PRESSURE-TEMPERATURE LIMITS FOR COOLDOWN FOR FIRST 15 EFPY



REACTOR COOLANT SYSTEM PRESSURE-TEMPERATURE LIMITS FOR INSERVICE LEAK HYDROSTATIC TESTS FOR FIRST 15 EFPY

