



Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

M. O. MEDFORD
MANAGER, NUCLEAR LICENSING

TELEPHONE
(818) 302-1749

March 17, 1986

Director, Office of Nuclear Reactor Regulation
Attention: G. E. Lear, Director
PWR Project Directorate No. 1
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Gentlemen:

Subject: Docket No. 50-206
Heatup and Cooldown Curves
San Onofre Nuclear Generating Station
Unit 1

- References: A. Letter, Kenneth P. Baskin, SCE, to H. R. Denton, NRC, dated May 17, 1984
- B. Letter, John A. Zwolinski, NRC, to Kenneth P. Baskin, SCE, dated January 31, 1985
- C. Letter, K. P. Baskin, SCE, to H. R. Denton, NRC, dated April 18, 1980

Reference A enclosed SCE Amendment Application No. 118 to revise the Heatup and Cooldown Curves for San Onofre Unit 1. An evaluation of Proposed Change No. 137, enclosed with Application No. 118 was provided via Reference B. The evaluation concluded that results of analysis of Capsule F confirm that the pressure-temperature limits provide sufficient margin to account for neutron irradiation damage through 16 EFPY of operation. However, that evaluation also concluded that further information was required to confirm the safety margins for the closure flange region. Rather than perform the necessary analysis to demonstrate that the closure flange region is not the limiting region for determining the slopes of the heatup and cooldown curves, and because editing the curves to take advantage of the provisions of the current 10 CFR 50 Appendix G for the closure flange region will not affect plant operation, we have decided to modify the curves. The revised curves are provided as an enclosure.

It should be noted that the analysis submitted via the Reference C letter was based on Appendix G to Section III of the ASME B & PV Code which was in effect prior to the current version of 10 CFR 50 Appendix G. The current revision of 10 CFR 50 Appendix G became effective on July 26, 1983.

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Mr. G. E. Lear

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March 17, 1986

These curves should resolve the concerns with the margins associated with the closure flange region and therefore the additional information requested in Enclosure 2 to the Reference B letter is not necessary.

If you have any questions, please contact me.

Very truly yours,

FR Kelly
for M O McElfer

Enclosure

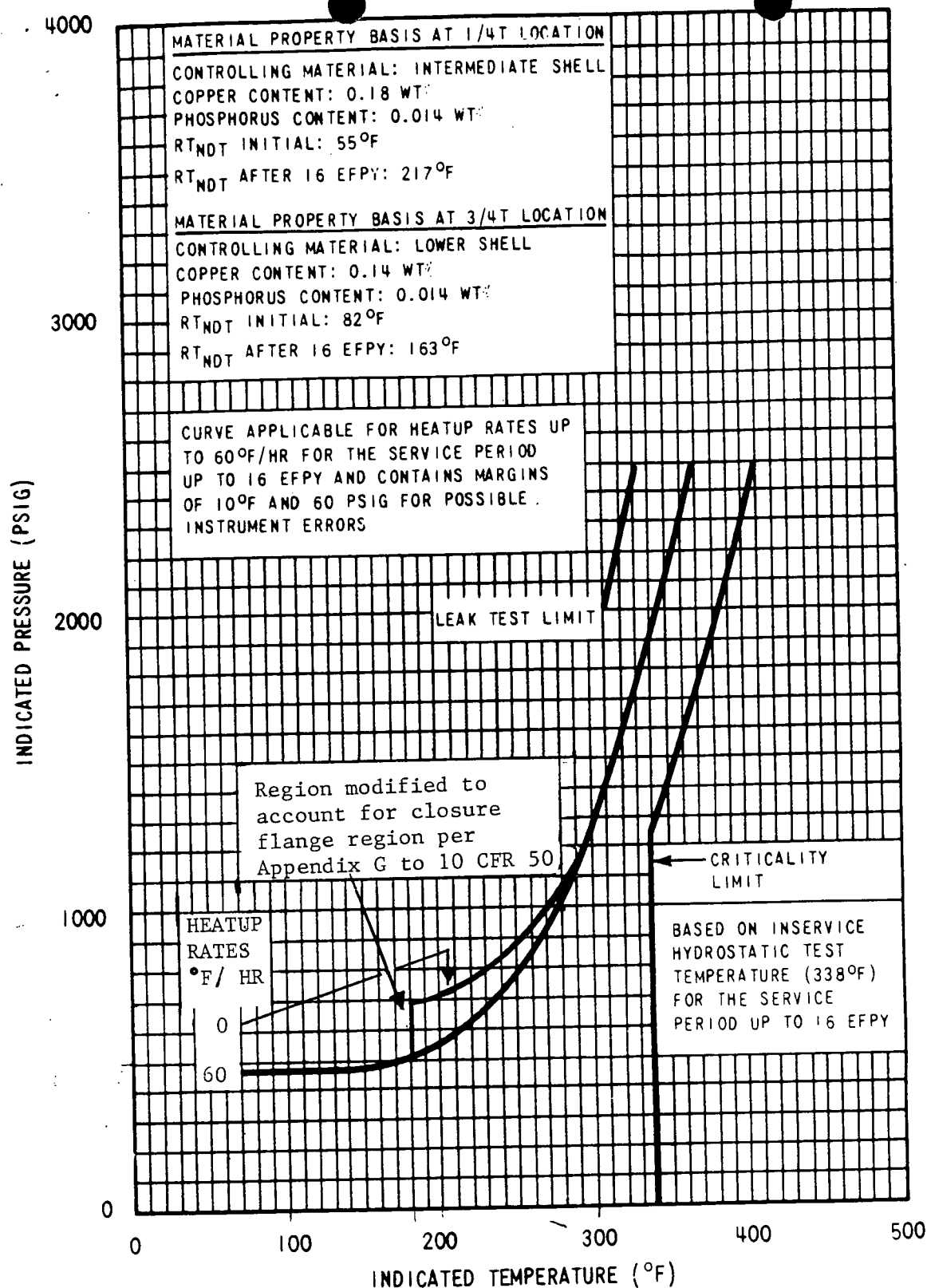


FIGURE 3.1.3a San Onofre Unit No. 1 Reactor Coolant System Heatup Limitations Applicable for the First 16 EFY.

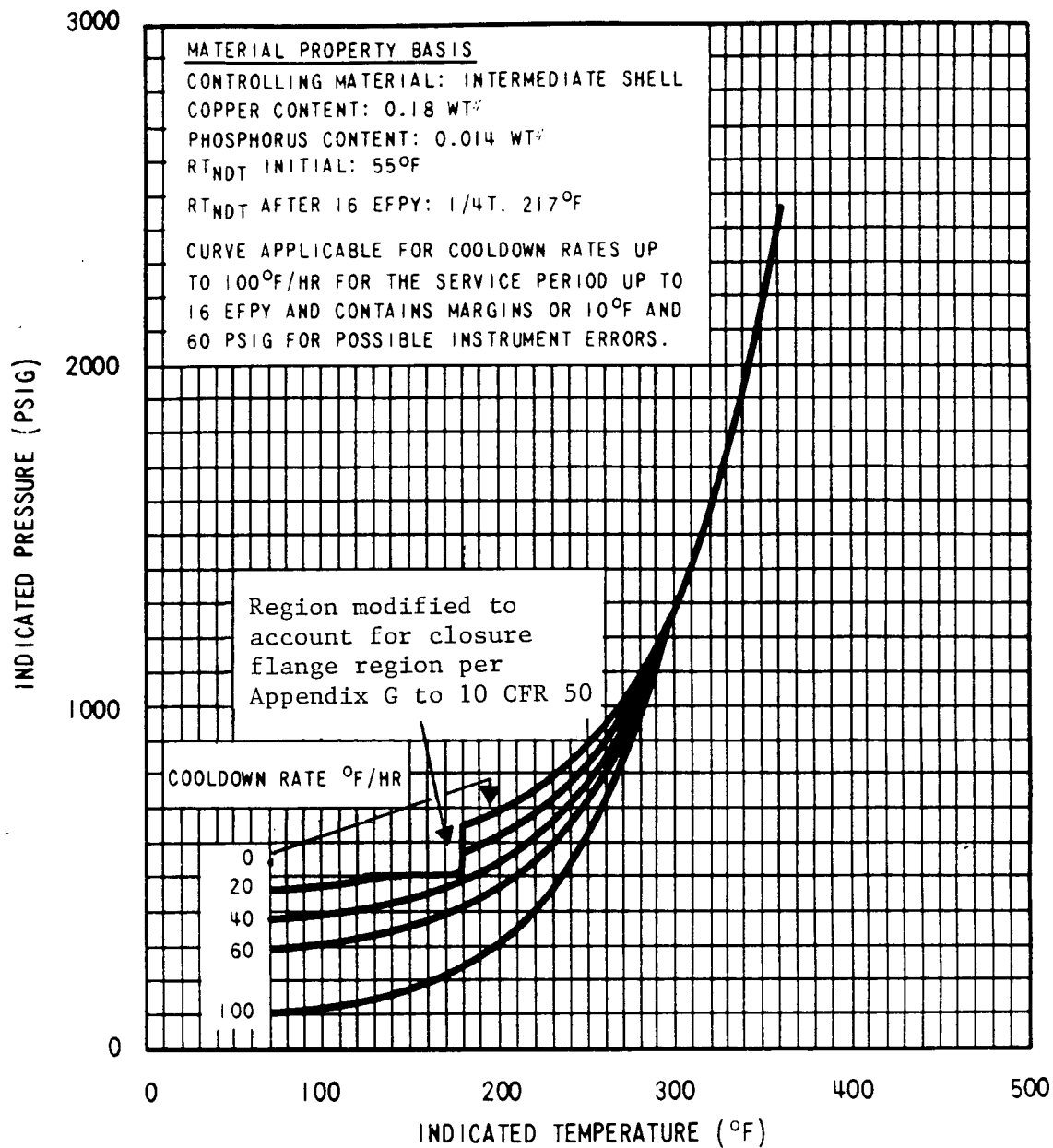


FIGURE 3.1.3b San Onofre Unit No. 1 Reactor Coolant System Cooldown Limitations Applicable for the First 16 EFPY.