

JAN 7 1987

Docket No. 50-364

Mr. R. P. McDonald
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Dear Mr. McDonald:

SUBJECT: REPLACEMENT PAGES FOR LICENSE AMENDMENT NO. 55 - JOSEPH M. FARLEY
NUCLEAR PLANT, UNIT 2

By letter dated October 8, 1986, you advised us that certain pages for the Farley Unit 2 Technical Specifications containing heatup and cooldown curves needed replacement. You specified that the replacement pages you provided contain the same information as those pages issued with License Amendment No. 55 dated April 22, 1986, but are of much higher quality.

Therefore, we enclose replacement pages 3/4 4-29, 3/4 4-30, and B 3/4 4-10 identified as "corrected page." The overleaf page for B 3/4 4-10 is included to maintain document completeness.

Sincerely,

Edward A. Reeves, Project Manager
PWR Project Directorate #2
Division of PWR Licensing-A
Office of Nuclear Reactor Regulation

Enclosure: As stated

cc: See next page

EPR
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Mr. R. P. McDonald
Alabama Power Company

Joseph M. Farley Nuclear Plant

cc:

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MATERIAL PROPERTY BASIS

CONTROLLING MATERIAL : R. V. INTERMEDIATE SHELL
 COPPER CONTENT : 0.20 WT%
 PHOSPHORUS CONTENT : 0.018 WT%
 INITIAL RT_{NDT} : -10° F
 RT_{NDT} AFTER 8 EPFY : 1/4T, 146° F
 : 3/4T, 83° F

CURVES APPLICABLE FOR HEATUP RATES UP TO 60° F/HR FOR THE SERVICE PERIOD UP TO 8 EPFY

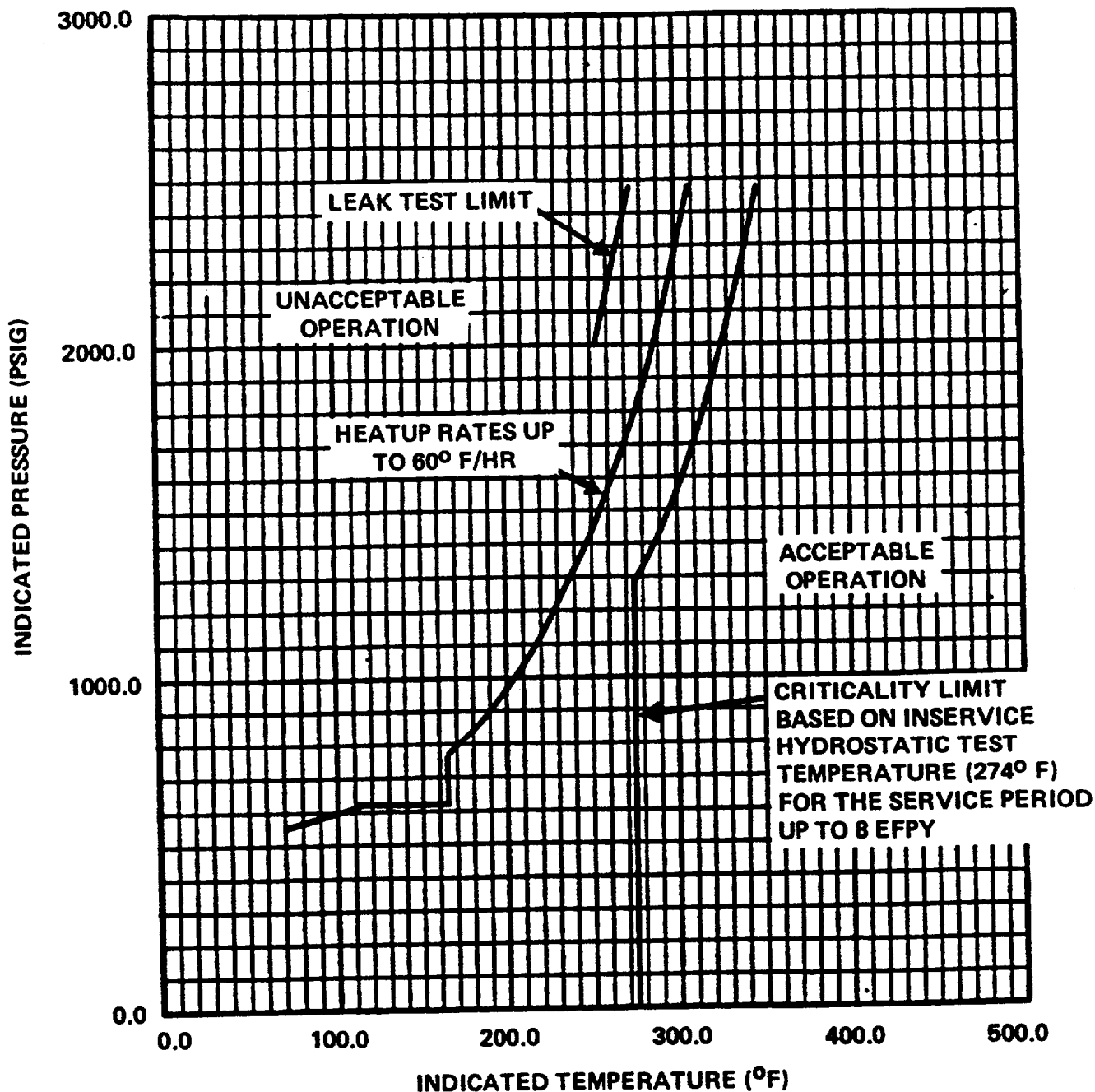


FIGURE 3.4-2 FARLEY UNIT 2 REACTOR COOLANT SYSTEM HEATUP LIMITATIONS APPLICABLE FOR THE FIRST 8 EPFY

MATERIAL PROPERTY BASIS

CONTROLLING MATERIAL : R. V. INTERMEDIATE SHELL
COPPER CONTENT : 0.20 WT%
PHOSPHORUS CONTENT : 0.018 WT%
INITIAL RT_{NDT} : -10° F
RT_{NDT} AFTER 8 EPFY : 1/4T, 148° F
 : 3/4T, 83° F

CURVES APPLICABLE FOR COOLDOWN RATES UP TO 100° F/HR FOR THE SERVICE PERIOD UP TO 8 EPFY

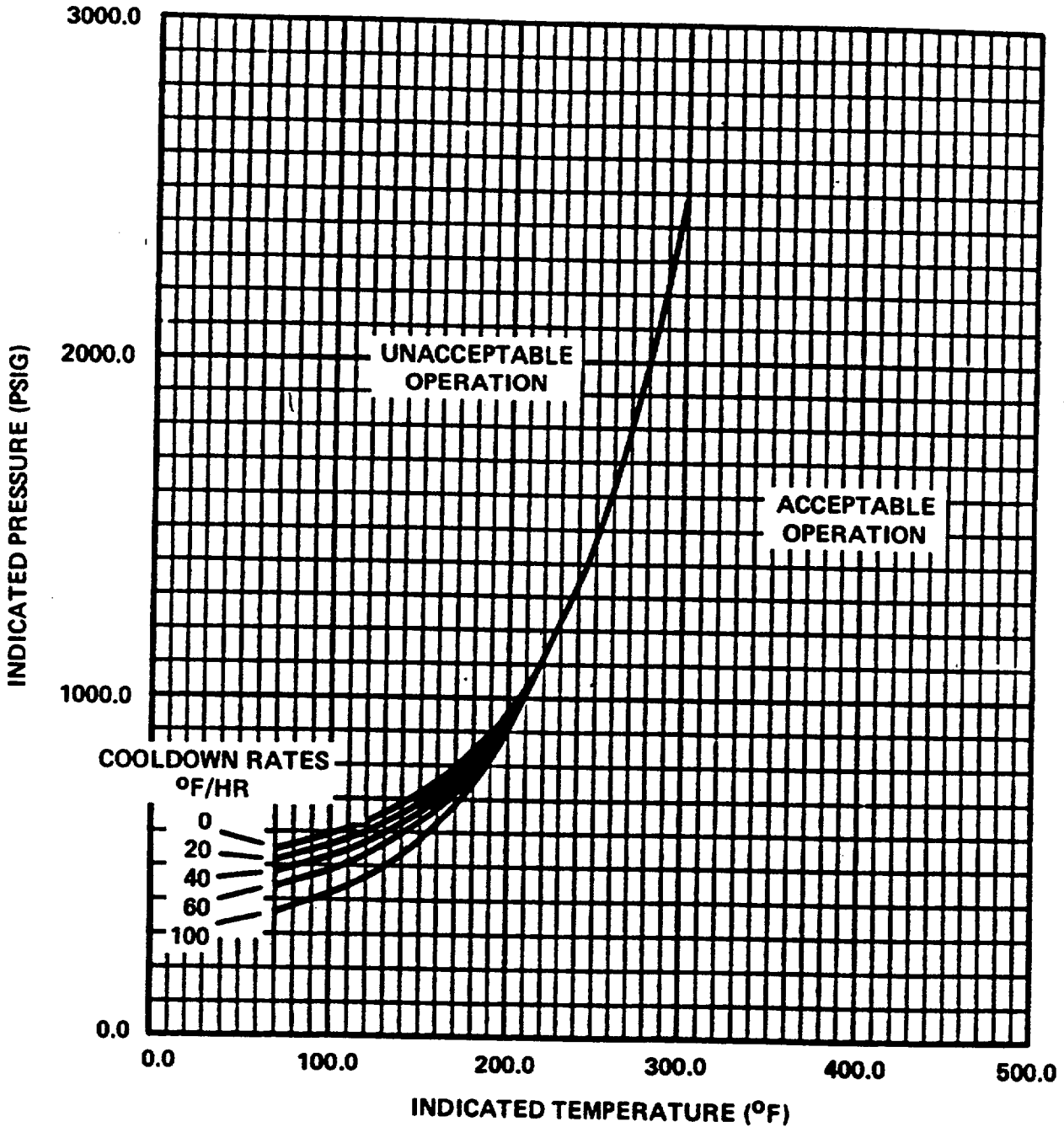


FIGURE 3.4-3 FARLEY UNIT 2 REACTOR COOLANT SYSTEM COOLDOWN LIMITATIONS APPLICABLE FOR THE FIRST 8 EPFY

TABLE B3/4.4-1
REACTOR VESSEL TOUGHNESS DATA

Component	Code No.	Grade	Cu (%)	P (%)	Ni (%)	T _{NDT} (°F)	RT _{NDT} (°F)	Average Upper Shelf Energy	
								Normal to Principal Working Direction (ft-lb)	Principal Working Direction (ft-lb)
CL. HD. Dome	B7215-1	A533,B,CL.1	0.17	0.010	0.49	-30	16(a)	83(a)	128
CL. HD. Flange	B7207-1	A508,CL.2	0.14	0.011	0.65	60(a)	60(a)	>56(a)	>86(c)
VES. Flange	B7206-1	A508,CL.2	0.10	0.012	0.67	60(a)	60(a)	>71(a)	>109
Inlet Noz.	B7218-2	A508,CL.2	-	0.010	0.68	50(a)	50(a)	103(a)	158
Inlet Noz.	B7218-1	A508,CL.2	-	0.010	0.71	32(a)	32(a)	112(a)	172
Inlet Noz.	B7218-3	A508,CL.2	-	0.010	0.72	60(a)	60(a)	98(a)	150
Outlet Noz.	B7217-1	A508,CL.2	-	0.010	0.73	60(a)	60(a)	100(a)	154
Outlet Noz.	B7217-2	A508,CL.2	-	0.010	0.72	6(a)	6(a)	108(a)	167
Outlet Noz.	B7217-3	A508,CL.2	-	0.010	0.72	48(a)	48(a)	103(a)	158
Upper Shell	B7216-1	A508,CL.2	-	0.010	0.73	30	30(a)	97(a)	149
Inter Shell	B7203-1	A533,B,CL.1	0.14	0.010	0.60	-40	15	99	140
Inter Shell	B7212-1	A533,B,CL.1	0.20	0.018	0.60	-30	-10	99	134
Lower Shell	B7210-1	A533,B,CL.1	0.13	0.010	0.56	-40	18	103	128
Lower Shell	B7210-2	A533,B,CL.1	0.14	0.015	0.57	-30	0	99	145
Trans. Ring	B7208-1	A508,CL.2	-	0.010	0.73	40	40(a)	89(a)	137
Bot. HD. Dome	B7214-1	A533,B,CL.1	0.11	0.007	0.48	-30	-2(a)	87(a)	134
Inter. Shell	A1.46	SHAW	0.02	0.009	0.96	0(a)	0(a)	>131	-
Long Seams	A1.40	SHAW	0.02	0.010	0.93	-60	-60	>106	-
Inter Shell to Lower Shell	G1.50	SAW	0.13	0.016	<.20(b)	-40	-40	>102	-
Lower Shell Long Seams	G1.39	SAW	0.05	0.006	<.20(b)	-70	-70	>126	-

(a) Estimate per NUREG 0800 "USNRC Standard Review Plan" Branch Technical Position MTEB 5-2.
 (b) Estimated.
 (c) Upper shelf not available, value represents minimum energy at the highest test temperature.

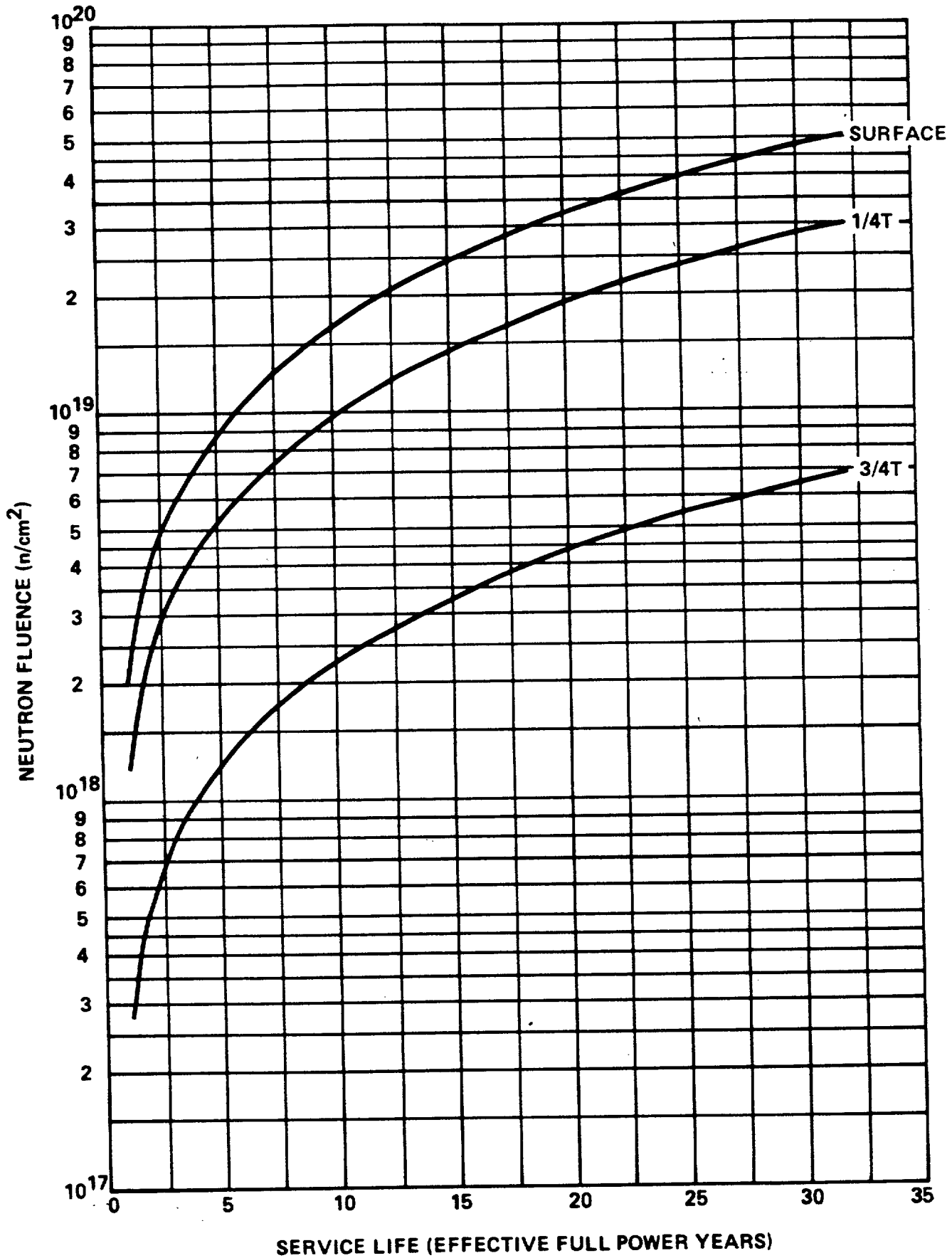


FIGURE B 3/4.4-1 FAST NEUTRON FLUENCE ($E > 1$ MeV) AS A FUNCTION OF FULL POWER SERVICE LIFE (EPFY)