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SOUTHERN COMPANY
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U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Vogtle Electric Generating Plant
Revision 1 of Unit 1 Cycle 13 Core Operating Limits Report

Ladies and Gentlemen:

Pursuant to the reporting requirements of Vogtle Electric Generating Plant (VEGP) Technical Specification 5.6.5 Southern Nuclear Operating Company (SNC) is submitting Revision 1 of the Unit 1 Cycle 13 Core Operating Limits Report (COLR).

This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,

Don E. Grissette

DEG/RJF/daj

Enclosure: Unit 1 Cycle 13 Core Operating Limits Report (Revision 1)

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. T. E. Tynan, General Manager – Plant Vogtle
RType: CVC7000

U. S. Nuclear Regulatory Commission
Dr. W. D. Travers, Regional Administrator
Mr. C. Gratton, NRR Project Manager – Vogtle
Mr. G. J. McCoy, Senior Resident Inspector – Vogtle

VOGTLE ELECTRIC GENERATING PLANT (VEGP) UNIT 1 CYCLE 13

CORE OPERATING LIMITS REPORT

REVISION 1

NOVEMBER 2005

1.0 CORE OPERATING LIMITS REPORT

This Core Operating Limits Report (COLR) for VEGP UNIT 1 CYCLE 13 has been prepared in accordance with the requirements of Technical Specification 5.6.5.

The Technical Requirement affected by this report is listed below:

13.1.1	SHUTDOWN MARGIN - MODES 1 and 2

The Technical Specifications affected by this report are listed below:

3.1.1	SHUTDOWN MARGIN - MODES 3, 4 and 5
3.1.3	Moderator Temperature Coefficient
3.1.5	Shutdown Bank Insertion Limits
3.1.6	Control Bank Insertion Limits
3.2.1	Heat Flux Hot Channel Factor - $F_Q(Z)$
3.2.2	Nuclear Enthalpy Rise Hot Channel Factor - $F^N_{\Delta H}$
3.2.3	Axial Flux Difference
3.9.1	Boron Concentration

2.0 OPERATING LIMITS

The cycle-specific parameter limits for the specifications listed in section 1.0 are presented in the following subsections. These limits have been developed using NRC-approved methodologies, including those specified in Technical Specification 5.6.5.

2.1 SHUTDOWN MARGIN - MODES 1 AND 2 (Technical Requirement 13.1.1)

2.1.1 The SHUTDOWN MARGIN shall be greater than or equal to 1.30 percent $\Delta k/k$.

2.2 SHUTDOWN MARGIN - MODES 3, 4 AND 5 (Specification 3.1.1)

2.2.1 The SHUTDOWN MARGIN shall be greater than or equal to the limits shown in Figures 1 and 2.

2.3 Moderator Temperature Coefficient (Specification 3.1.3)

2.3.1 The Moderator Temperature Coefficient (MTC) limits are:

The BOL/ARO/HZP - MTC shall be less positive than $+0.7 \times 10^{-4}$ $\Delta k/k/^{\circ}F$ for power levels up to 70 percent RTP with a linear ramp to 0 $\Delta k/k/^{\circ}F$ at 100 percent RTP.

The EOL/ARO/RTP-MTC shall be less negative than -5.50×10^{-4} $\Delta k/k/^{\circ}F$.[1]

2.3.2 The MTC Surveillance limits are:

The 300 ppm/ARO/RTP-MTC should be less negative than or equal to -4.75×10^{-4} $\Delta k/k/^{\circ}F$.[1]

The 60 ppm/ARO/RTP-MTC should be less negative than -5.35×10^{-4} $\Delta k/k/^{\circ}F$.[1]

where: BOL stands for Beginning of Cycle Life
ARO stands for All Rods Out
HZP stands for Hot Zero THERMAL POWER
EOL stands for End of Cycle Life
RTP stands for RATED THERMAL POWER

2.4 Shutdown Bank Insertion Limits (Specification 3.1.5)

2.4.1 The shutdown banks shall be withdrawn to a position greater than or equal to 225 steps.

2.5 Control Bank Insertion Limits (Specification 3.1.6)

2.5.1 The control banks shall be limited in physical insertion as shown in Figure 3.

[1] Applicable for full-power T-average of 586.4°F to 587.4°F.

2.6 Heat Flux Hot Channel Factor - $F_Q(Z)$ (Specification 3.2.1)

2.6.1 $$F_Q(Z) \leq \frac{F_Q^{RTP}}{P} * K(Z) \quad \text{for } P > 0.5$$

$$F_Q(Z) \leq \frac{F_Q^{RTP}}{0.5} * K(Z) \quad \text{for } P \leq 0.5$$

$$\text{where: } P = \frac{\text{THERMAL POWER}}{\text{RATED THERMAL POWER}}$$

2.6.2 $$F_Q^{RTP} = 2.50$$

2.6.3 K(Z) is provided in Figure 4.

2.6.4 $$F_Q(Z) \leq \frac{F_Q^{RTP} * K(Z)}{P * W(Z)} \quad \text{for } P > 0.5$$

$$F_Q(Z) \leq \frac{F_Q^{RTP} * K(Z)}{0.5 * W(Z)} \quad \text{for } P \leq 0.5$$

2.6.5 W(Z) values are provided based on the following calculated Delta Axial Offset (D-AO):

Calculated D-AO Max	Min	W(Z) Figures
+3%	-3%	Figures 6-9
< -3%	-4%	Figure 10
< -4%	-5%	Figure 11
< -5%	-6%	Figure 12
< -6%	-7%	Figure 13
< -7%	-8%	Figure 14
< -8%	-10%	Figure 15
< -10%	-12%	Figure 16

Where: D-AO = [(Measured Axial Offset) – (Predicted Axial Offset)]

BOL	=	150 MWD/MTU
MOL-1	=	4,000 MWD/MTU
MOL-2	=	12,000 MWD/MTU
EOL	=	20,000 MWD/MTU

2.6.6 The $F_Q(Z)$ penalty factors are provided in Table 1.

2.7 Nuclear Enthalpy Rise Hot Channel Factor - $F^N_{\Delta H}$ (Specification 3.2.2)

2.7.1 $F^N_{\Delta H} \leq F^{RTP}_{\Delta H} * (1 + PF_{\Delta H} * (1-P))$

where: $P = \frac{\text{THERMAL POWER}}{\text{RATED THERMAL POWER}}$

2.7.2 $F^{RTP}_{\Delta H} = 1.65$

2.7.3 $PF_{\Delta H} = 0.3$

2.8 Axial Flux Difference (Specification 3.2.3)

2.8.1 The Axial Flux Difference (AFD) acceptable operation limits are provided in Figure 5.

2.9 Boron Concentration (Specification 3.9.1)

2.9.1 The boron concentration shall be greater than or equal to 1935 ppm.[1]

[1]This concentration bounds the condition of $k_{eff} \leq 0.95$ (all rods in less the most reactive rod) and subcriticality (all rods out) over the entire cycle. This concentration includes additional boron to address uncertainties and B^{10} depletion.

TABLE 1

$F_Q(Z)$ PENALTY FACTOR

Cycle Burnup (MWD/MTU)	$F_Q(Z)$ Penalty Factor
30	1.036
150	1.036
363	1.038
577	1.037
790	1.035
1004	1.031
1217	1.024
1431	1.020

Notes:

1. The Penalty Factor, to be applied to $F_Q(Z)$ in accordance with SR 3.2.1.2, is the maximum factor by which $F_Q(Z)$ is expected to increase over a 39 EFPD interval (surveillance interval of 31 EFPD plus the maximum allowable extension not to exceed 25% of the surveillance interval per SR 3.0.2) starting from the burnup at which the $F_Q(Z)$ was determined.

2. Linear interpolation is adequate for intermediate cycle burnups.

3. For all cycle burnups outside the range of the table, a penalty factor of 1.020 shall be used.

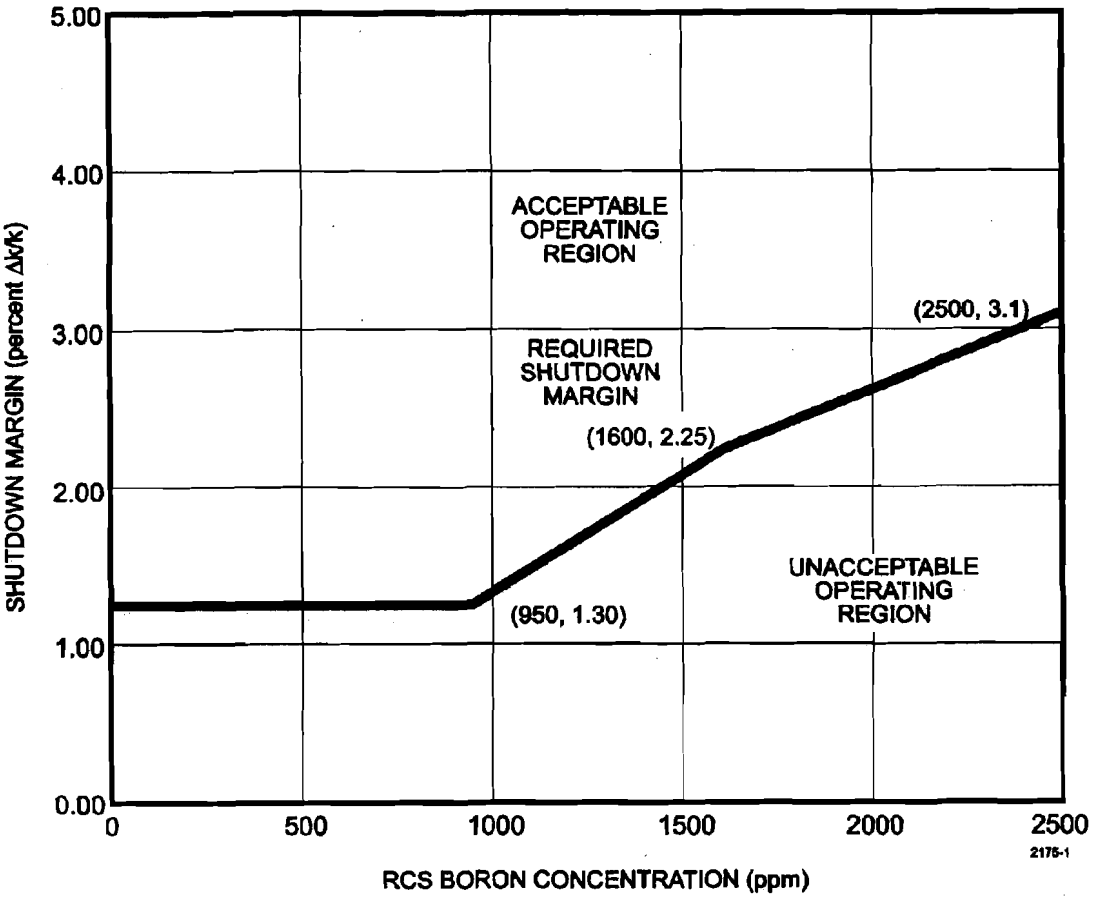


FIGURE 1

REQUIRED SHUTDOWN MARGIN FOR MODES 3 AND 4 (FOUR LOOPS FILLED AND VENTED AND AT LEAST ONE REACTOR COOLANT PUMP RUNNING)

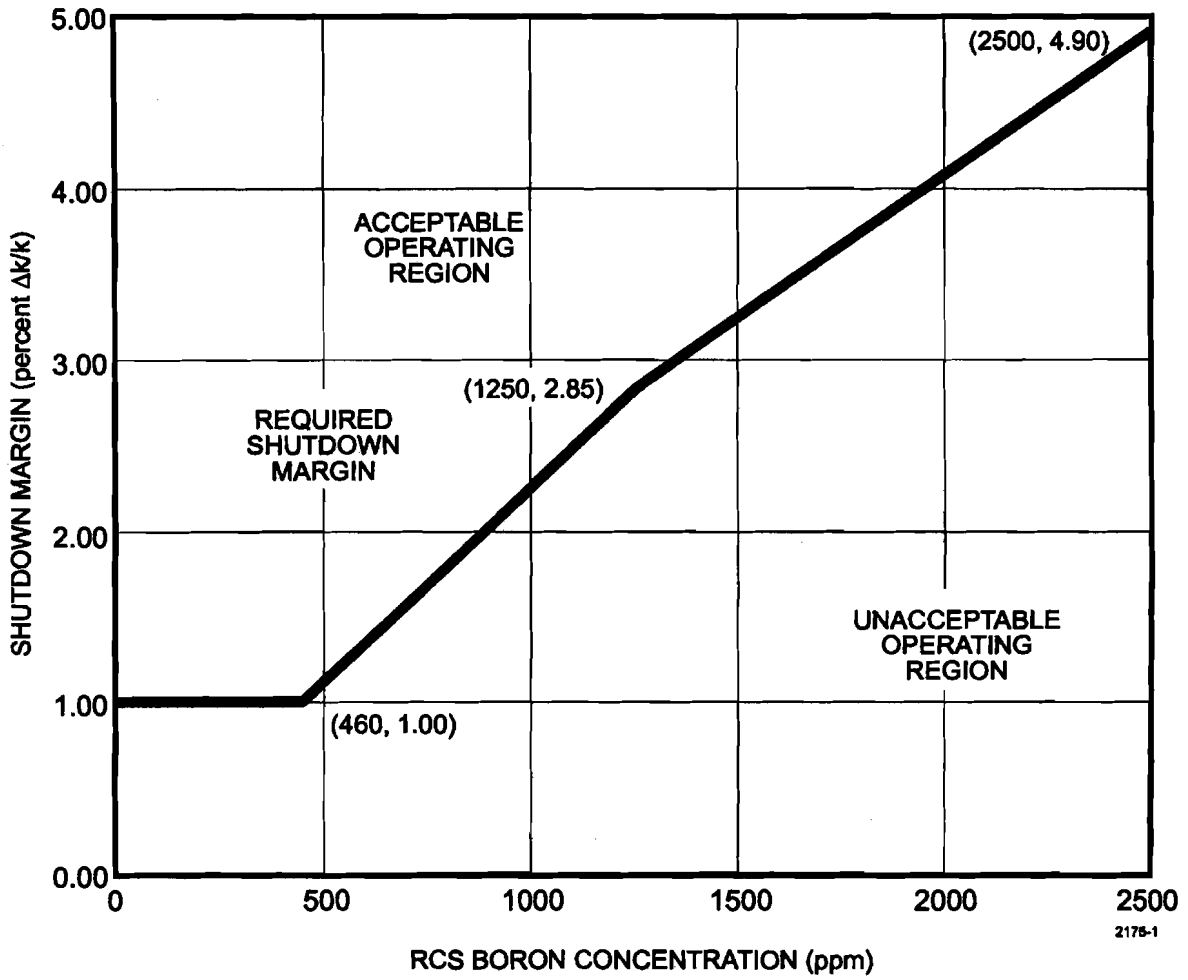
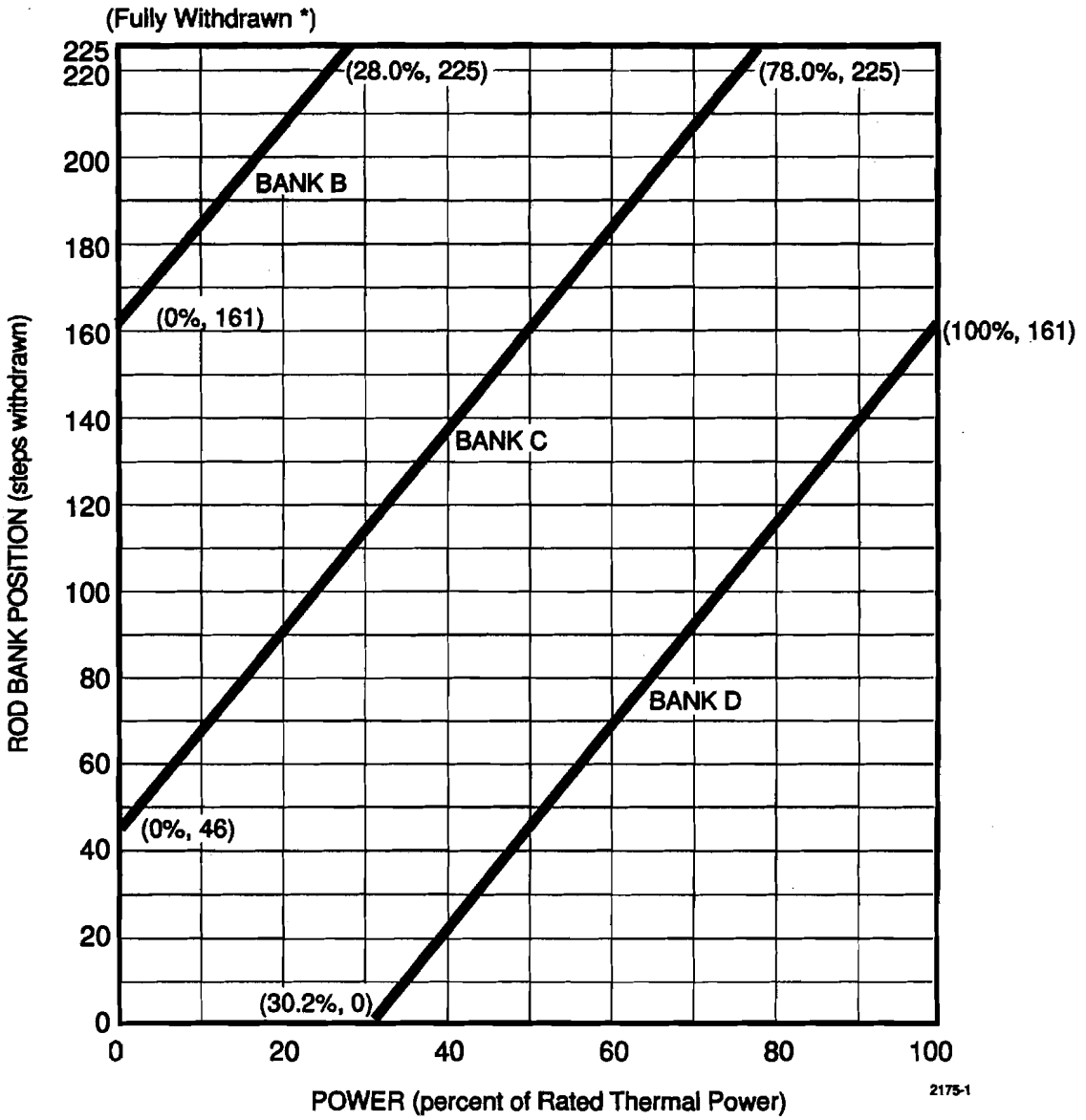


FIGURE 2

REQUIRED SHUTDOWN MARGIN FOR MODES 4 AND 5 (MODE 4 WHEN FIGURE 1 NOT APPLICABLE)



* Fully withdrawn shall be the condition where control rods are at a position within the interval ≥225 and ≤231 steps withdrawn.

NOTE: The Rod Bank Insertion Limits are based on the control bank withdrawal sequence A, B, C, D and a control bank tip-to-tip distance of 115 steps.

FIGURE 3

ROD BANK INSERTION LIMITS VERSUS % OF RATED THERMAL POWER

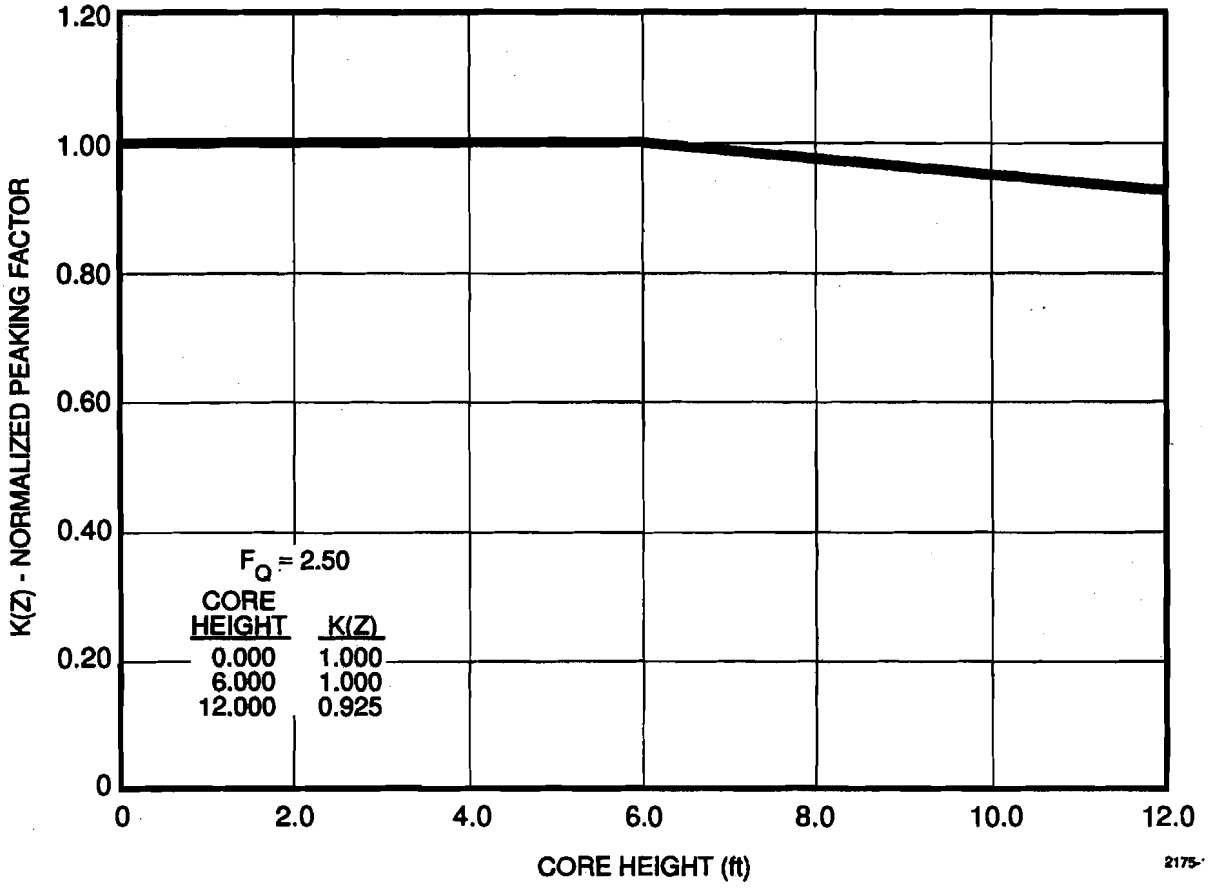


FIGURE 4

K(Z) - NORMALIZED $F_Q(Z)$ AS A FUNCTION OF CORE HEIGHT

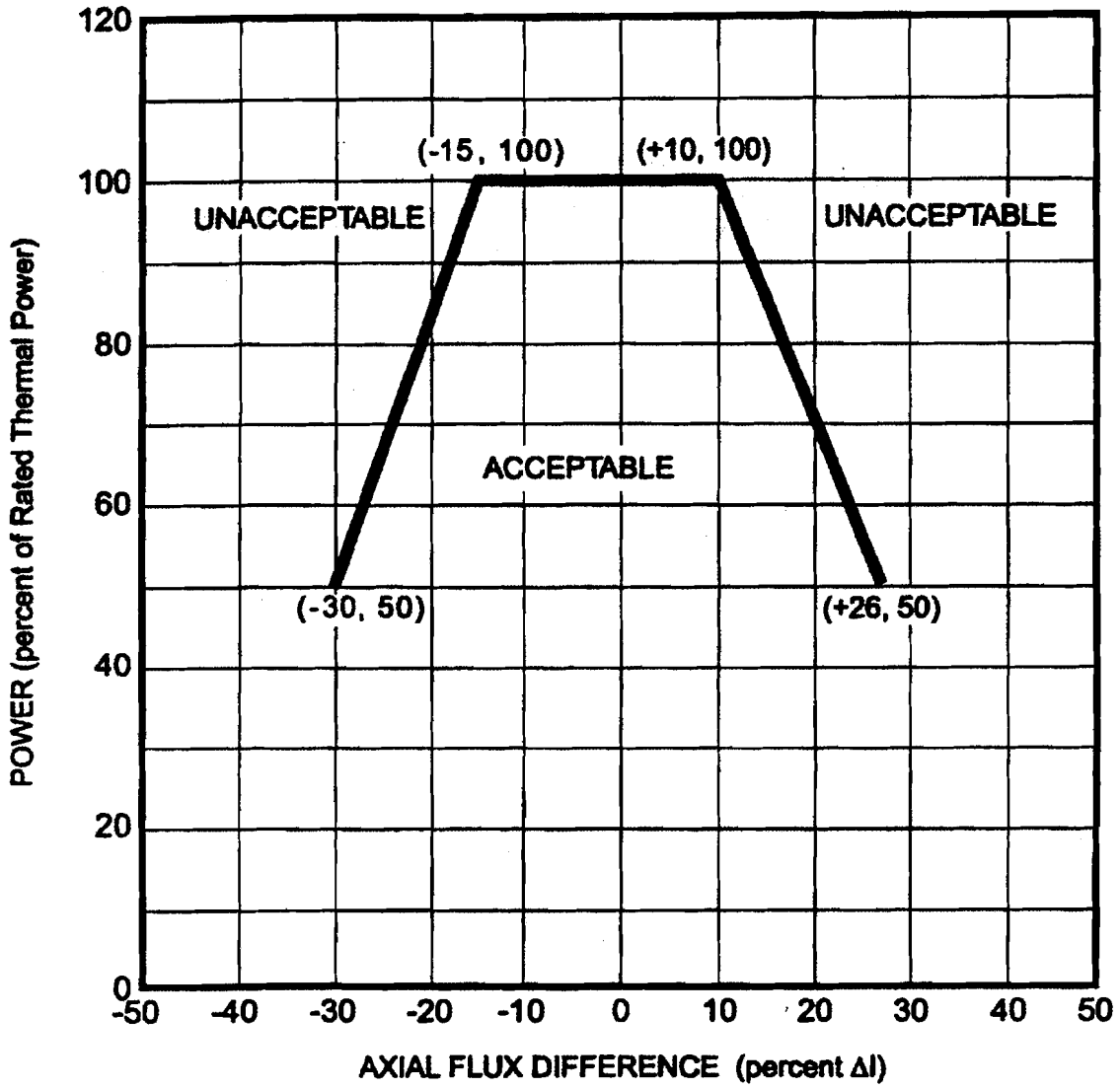
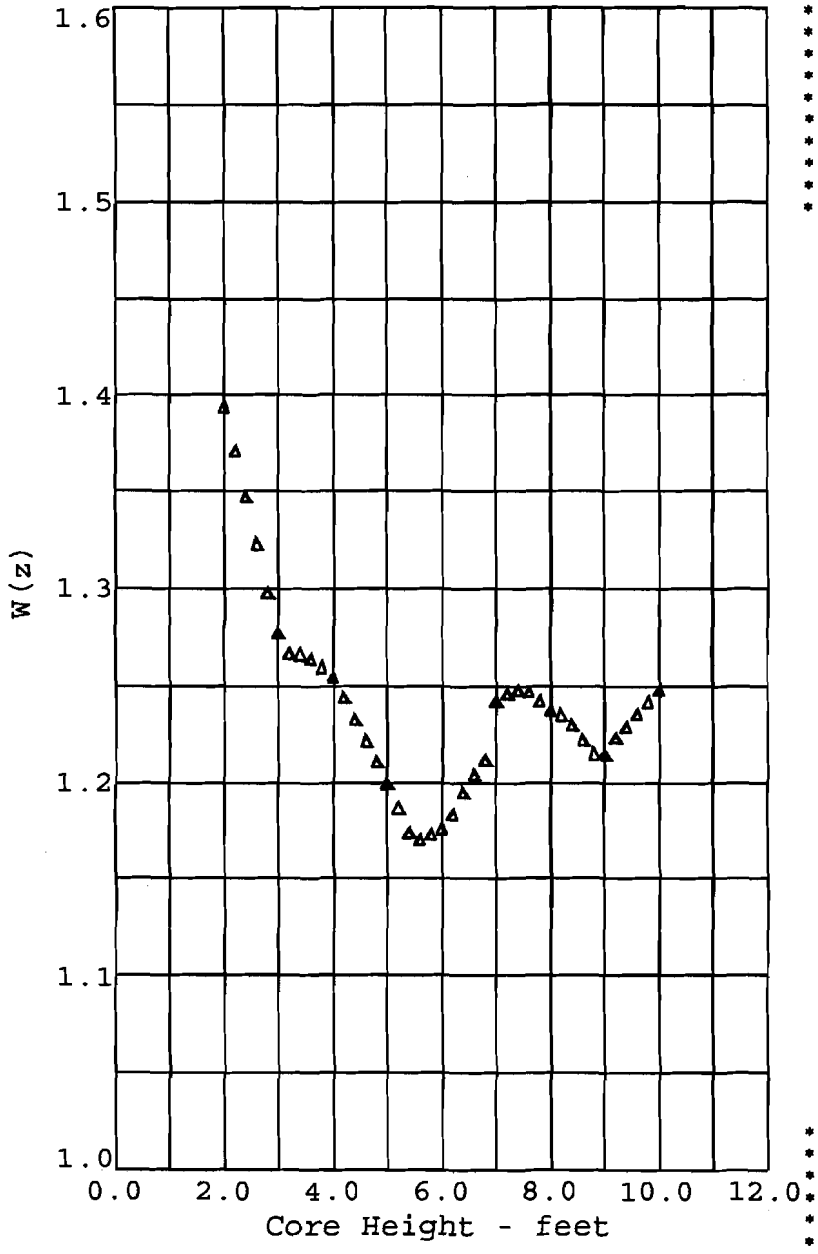


FIGURE 5

AXIAL FLUX DIFFERENCE LIMITS AS A FUNCTION OF % OF RATED THERMAL POWER FOR RAOC



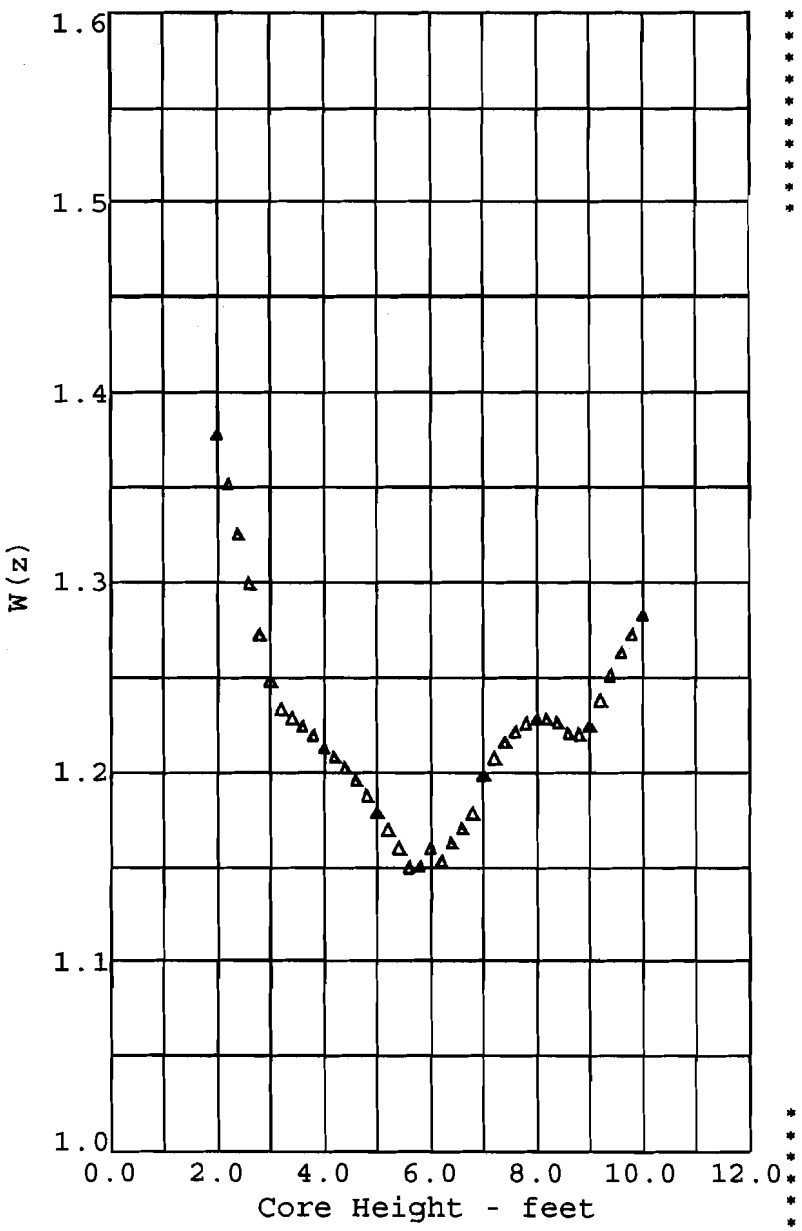
This figure is referred to by Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP T_{avg} temperature range from 586.4 to 587.4°F.

	Axial Point	Elevation (feet)	BOL W(Z)
*	1	12.00	1.0000
*	2	11.80	1.0000
*	3	11.60	1.0000
*	4	11.40	1.0000
*	5	11.20	1.0000
*	6	11.00	1.0000
*	7	10.80	1.0000
*	8	10.60	1.0000
*	9	10.40	1.0000
*	10	10.20	1.0000
	11	10.00	1.2472
	12	9.80	1.2413
	13	9.60	1.2350
	14	9.40	1.2285
	15	9.20	1.2228
	16	9.00	1.2142
	17	8.80	1.2147
	18	8.60	1.2222
	19	8.40	1.2293
	20	8.20	1.2348
	21	8.00	1.2370
	22	7.80	1.2417
	23	7.60	1.2464
	24	7.40	1.2473
	25	7.20	1.2457
	26	7.00	1.2418
	27	6.80	1.2115
	28	6.60	1.2038
	29	6.40	1.1943
	30	6.20	1.1833
	31	6.00	1.1759
	32	5.80	1.1727
	33	5.60	1.1699
	34	5.40	1.1736
	35	5.20	1.1865
	36	5.00	1.1994
	37	4.80	1.2107
	38	4.60	1.2215
	39	4.40	1.2323
	40	4.20	1.2438
	41	4.00	1.2543
	42	3.80	1.2592
	43	3.60	1.2633
	44	3.40	1.2659
	45	3.20	1.2666
	46	3.00	1.2767
	47	2.80	1.2976
	48	2.60	1.3227
	49	2.40	1.3467
	50	2.20	1.3703
	51	2.00	1.3935
*	52	1.80	1.0000
*	53	1.60	1.0000
*	54	1.40	1.0000
*	55	1.20	1.0000
*	56	1.00	1.0000
*	57	0.80	1.0000
*	58	0.60	1.0000
*	59	0.40	1.0000
*	60	0.20	1.0000
*	61	0.00	1.0000

* Top and Bottom 15% Excluded per Technical Specification B3.2.1

FIGURE 6 RAOC W(Z) AT 150 MWD/MTU
W(Z) VALID FOR DELTA-AO OF +3% to -3%
SEE COLR SECTION 2.6.5



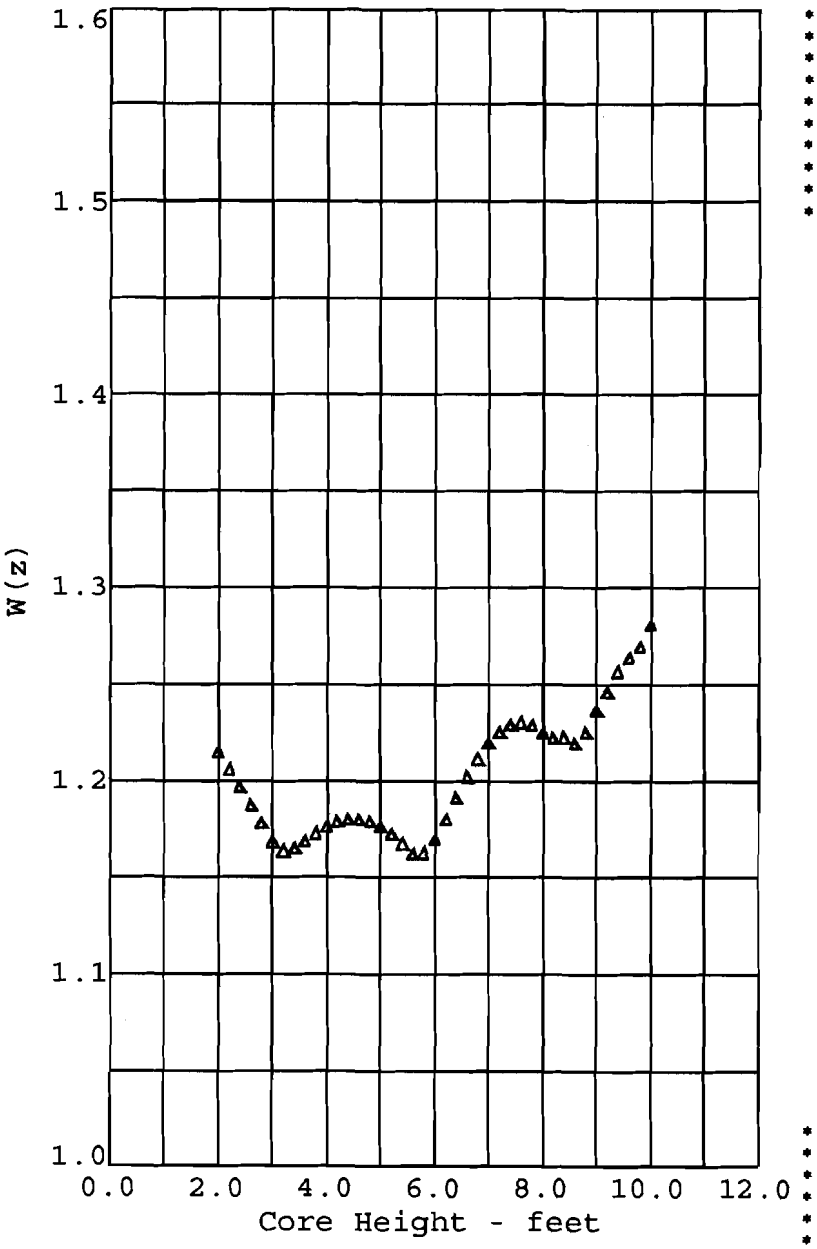
	Axial Point	Elevation (feet)	MOL-1 W(Z)
*	1	12.00	1.0000
*	2	11.80	1.0000
*	3	11.60	1.0000
*	4	11.40	1.0000
*	5	11.20	1.0000
*	6	11.00	1.0000
*	7	10.80	1.0000
*	8	10.60	1.0000
*	9	10.40	1.0000
*	10	10.20	1.0000
	11	10.00	1.2825
	12	9.80	1.2720
	13	9.60	1.2625
	14	9.40	1.2507
	15	9.20	1.2375
	16	9.00	1.2241
	17	8.80	1.2196
	18	8.60	1.2203
	19	8.40	1.2258
	20	8.20	1.2278
	21	8.00	1.2277
	22	7.80	1.2254
	23	7.60	1.2212
	24	7.40	1.2150
	25	7.20	1.2072
	26	7.00	1.1982
	27	6.80	1.1780
	28	6.60	1.1702
	29	6.40	1.1622
	30	6.20	1.1531
	31	6.00	1.1599
	32	5.80	1.1504
	33	5.60	1.1496
	34	5.40	1.1599
	35	5.20	1.1695
	36	5.00	1.1786
	37	4.80	1.1874
	38	4.60	1.1952
	39	4.40	1.2020
	40	4.20	1.2080
	41	4.00	1.2128
	42	3.80	1.2189
	43	3.60	1.2241
	44	3.40	1.2282
	45	3.20	1.2330
	46	3.00	1.2478
	47	2.80	1.2719
	48	2.60	1.2989
	49	2.40	1.3253
	50	2.20	1.3518
	51	2.00	1.3779
*	52	1.80	1.0000
*	53	1.60	1.0000
*	54	1.40	1.0000
*	55	1.20	1.0000
*	56	1.00	1.0000
*	57	0.80	1.0000
*	58	0.60	1.0000
*	59	0.40	1.0000
*	60	0.20	1.0000
*	61	0.00	1.0000

This figure is referred to by Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP T_{avg} temperature range from 586.4 to 587.4°F.

* Top and Bottom 15% Excluded per Technical Specification B3.2.1

FIGURE 7 RAOC W(Z) AT 4000 MWD/MTU
W(Z) VALID FOR DELTA-AO OF +3% to -3%
SEE COLR SECTION 2.6.5



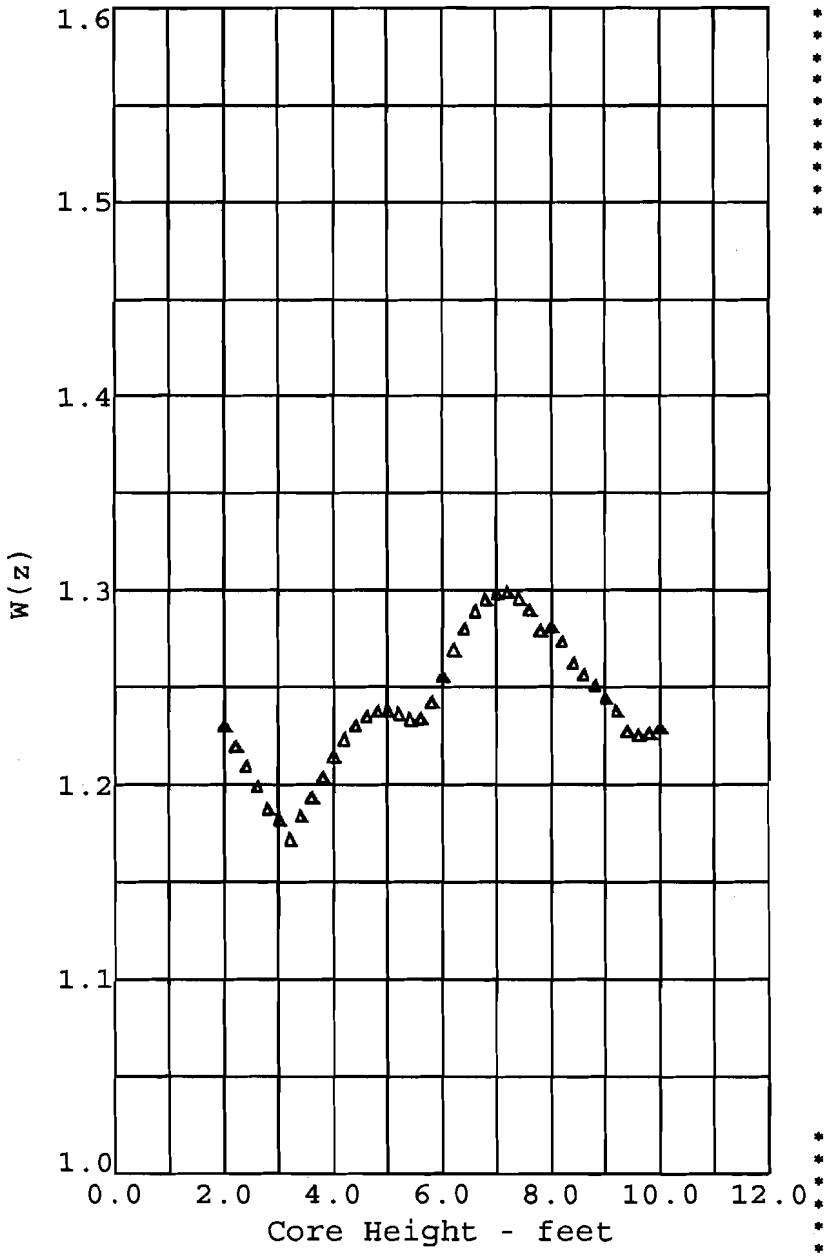
This figure is referred to by Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP T_{avg} temperature range from 586.4 to 587.4°F.

	Axial Point	Elevation (feet)	MOL-2 W(Z)
*	1	12.00	1.0000
*	2	11.80	1.0000
*	3	11.60	1.0000
*	4	11.40	1.0000
*	5	11.20	1.0000
*	6	11.00	1.0000
*	7	10.80	1.0000
*	8	10.60	1.0000
*	9	10.40	1.0000
*	10	10.20	1.0000
	11	10.00	1.2807
	12	9.80	1.2691
	13	9.60	1.2636
	14	9.40	1.2564
	15	9.20	1.2455
	16	9.00	1.2362
	17	8.80	1.2246
	18	8.60	1.2193
	19	8.40	1.2223
	20	8.20	1.2219
	21	8.00	1.2246
	22	7.80	1.2289
	23	7.60	1.2299
	24	7.40	1.2287
	25	7.20	1.2250
	26	7.00	1.2191
	27	6.80	1.2113
	28	6.60	1.2016
	29	6.40	1.1906
	30	6.20	1.1795
	31	6.00	1.1690
	32	5.80	1.1618
	33	5.60	1.1612
	34	5.40	1.1668
	35	5.20	1.1719
	36	5.00	1.1758
	37	4.80	1.1784
	38	4.60	1.1798
	39	4.40	1.1798
	40	4.20	1.1785
	41	4.00	1.1761
	42	3.80	1.1723
	43	3.60	1.1680
	44	3.40	1.1642
	45	3.20	1.1630
	46	3.00	1.1675
	47	2.80	1.1773
	48	2.60	1.1870
	49	2.40	1.1964
	50	2.20	1.2056
	51	2.00	1.2148
*	52	1.80	1.0000
*	53	1.60	1.0000
*	54	1.40	1.0000
*	55	1.20	1.0000
*	56	1.00	1.0000
*	57	0.80	1.0000
*	58	0.60	1.0000
*	59	0.40	1.0000
*	60	0.20	1.0000
*	61	0.00	1.0000

* Top and Bottom 15% Excluded per Technical Specification B3.2.1

FIGURE 8 RAOC W(Z) AT 12000 MWD/MTU
W(Z) VALID FOR DELTA-AO OF +3% to -3%
SEE COLR SECTION 2.6.5



This figure is referred to by Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP T_{avg} temperature range from 586.4 to 587.4°F.

	Axial Point	Elevation (feet)	EOL W(Z)
*	1	12.00	1.0000
*	2	11.80	1.0000
*	3	11.60	1.0000
*	4	11.40	1.0000
*	5	11.20	1.0000
*	6	11.00	1.0000
*	7	10.80	1.0000
*	8	10.60	1.0000
*	9	10.40	1.0000
*	10	10.20	1.0000
	11	10.00	1.2291
	12	9.80	1.2263
	13	9.60	1.2249
	14	9.40	1.2267
	15	9.20	1.2374
	16	9.00	1.2443
	17	8.80	1.2508
	18	8.60	1.2561
	19	8.40	1.2618
	20	8.20	1.2733
	21	8.00	1.2810
	22	7.80	1.2788
	23	7.60	1.2896
	24	7.40	1.2957
	25	7.20	1.2986
	26	7.00	1.2983
	27	6.80	1.2950
	28	6.60	1.2889
	29	6.40	1.2802
	30	6.20	1.2691
	31	6.00	1.2554
	32	5.80	1.2420
	33	5.60	1.2339
	34	5.40	1.2332
	35	5.20	1.2361
	36	5.00	1.2378
	37	4.80	1.2372
	38	4.60	1.2345
	39	4.40	1.2298
	40	4.20	1.2229
	41	4.00	1.2141
	42	3.80	1.2033
	43	3.60	1.1927
	44	3.40	1.1833
	45	3.20	1.1718
	46	3.00	1.1820
	47	2.80	1.1870
	48	2.60	1.1987
	49	2.40	1.2090
	50	2.20	1.2193
	51	2.00	1.2296
*	52	1.80	1.0000
*	53	1.60	1.0000
*	54	1.40	1.0000
*	55	1.20	1.0000
*	56	1.00	1.0000
*	57	0.80	1.0000
*	58	0.60	1.0000
*	59	0.40	1.0000
*	60	0.20	1.0000
*	61	0.00	1.0000

* Top and Bottom 15% Excluded per Technical Specification B3.2.1

FIGURE 9 RAOC W(Z) AT 20000 MWD/MTU
W(Z) VALID FOR DELTA-AO OF +3% to -3%
SEE COLR SECTION 2.6.5

	Point	Feet	BOL W(Z)	MOL-1 W(Z)	MOL-2 W(Z)	EOL W(Z)
*	1	12.00	1.0000	1.0000	1.0000	1.0000
*	2	11.80	1.0000	1.0000	1.0000	1.0000
*	3	11.60	1.0000	1.0000	1.0000	1.0000
*	4	11.40	1.0000	1.0000	1.0000	1.0000
*	5	11.20	1.0000	1.0000	1.0000	1.0000
*	6	11.00	1.0000	1.0000	1.0000	1.0000
*	7	10.80	1.0000	1.0000	1.0000	1.0000
*	8	10.60	1.0000	1.0000	1.0000	1.0000
*	9	10.40	1.0000	1.0000	1.0000	1.0000
*	10	10.20	1.0000	1.0000	1.0000	1.0000
	11	10.00	1.2721	1.3082	1.3063	1.2537
	12	9.80	1.2661	1.2974	1.2945	1.2508
	13	9.60	1.2597	1.2878	1.2889	1.2494
	14	9.40	1.2531	1.2757	1.2815	1.2512
	15	9.20	1.2473	1.2623	1.2704	1.2621
	16	9.00	1.2385	1.2486	1.2609	1.2692
	17	8.80	1.2390	1.2440	1.2491	1.2758
	18	8.60	1.2466	1.2447	1.2437	1.2812
	19	8.40	1.2539	1.2503	1.2467	1.2870
	20	8.20	1.2595	1.2524	1.2463	1.2988
	21	8.00	1.2617	1.2523	1.2491	1.3066
	22	7.80	1.2665	1.2499	1.2535	1.3044
	23	7.60	1.2713	1.2456	1.2545	1.3154
	24	7.40	1.2722	1.2393	1.2533	1.3216
	25	7.20	1.2706	1.2313	1.2495	1.3246
	26	7.00	1.2666	1.2222	1.2435	1.3243
	27	6.80	1.2357	1.2016	1.2355	1.3209
	28	6.60	1.2279	1.1936	1.2256	1.3147
	29	6.40	1.2182	1.1854	1.2144	1.3058
	30	6.20	1.2070	1.1762	1.2031	1.2945
	31	6.00	1.1994	1.1831	1.1924	1.2805
	32	5.80	1.1727	1.1504	1.1618	1.2420
	33	5.60	1.1699	1.1496	1.1612	1.2339
	34	5.40	1.1736	1.1599	1.1668	1.2332
	35	5.20	1.1865	1.1695	1.1719	1.2361
	36	5.00	1.1994	1.1786	1.1758	1.2378
	37	4.80	1.2107	1.1874	1.1784	1.2372
	38	4.60	1.2215	1.1952	1.1798	1.2345
	39	4.40	1.2323	1.2020	1.1798	1.2298
	40	4.20	1.2438	1.2080	1.1785	1.2229
	41	4.00	1.2543	1.2128	1.1761	1.2141
	42	3.80	1.2592	1.2189	1.1723	1.2033
	43	3.60	1.2633	1.2241	1.1680	1.1927
	44	3.40	1.2659	1.2282	1.1642	1.1833
	45	3.20	1.2666	1.2330	1.1630	1.1718
	46	3.00	1.2767	1.2478	1.1675	1.1820
	47	2.80	1.2976	1.2719	1.1773	1.1870
	48	2.60	1.3227	1.2989	1.1870	1.1987
	49	2.40	1.3467	1.3253	1.1964	1.2090
	50	2.20	1.3703	1.3518	1.2056	1.2193
	51	2.00	1.3935	1.3779	1.2148	1.2296
*	52	1.80	1.0000	1.0000	1.0000	1.0000
*	53	1.60	1.0000	1.0000	1.0000	1.0000
*	54	1.40	1.0000	1.0000	1.0000	1.0000
*	55	1.20	1.0000	1.0000	1.0000	1.0000
*	56	1.00	1.0000	1.0000	1.0000	1.0000
*	57	0.80	1.0000	1.0000	1.0000	1.0000
*	58	0.60	1.0000	1.0000	1.0000	1.0000
*	59	0.40	1.0000	1.0000	1.0000	1.0000
*	60	0.20	1.0000	1.0000	1.0000	1.0000
*	61	0.00	1.0000	1.0000	1.0000	1.0000

* Top and bottom 15 % excluded per Technical Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP Tavg temperature range from 586.4 to 587.4°F.

FIGURE 10 RAOC W(Z) FOR DELTA-AO BETWEEN < -3% to -4%
SEE COLR SECTION 2.6.5

	Point	Feet	BOL W(Z)	MOL-1 W(Z)	MOL-2 W(Z)	EOL W(Z)
*	1	12.00	1.0000	1.0000	1.0000	1.0000
*	2	11.80	1.0000	1.0000	1.0000	1.0000
*	3	11.60	1.0000	1.0000	1.0000	1.0000
*	4	11.40	1.0000	1.0000	1.0000	1.0000
*	5	11.20	1.0000	1.0000	1.0000	1.0000
*	6	11.00	1.0000	1.0000	1.0000	1.0000
*	7	10.80	1.0000	1.0000	1.0000	1.0000
*	8	10.60	1.0000	1.0000	1.0000	1.0000
*	9	10.40	1.0000	1.0000	1.0000	1.0000
*	10	10.20	1.0000	1.0000	1.0000	1.0000
	11	10.00	1.2971	1.3338	1.3319	1.2783
	12	9.80	1.2910	1.3229	1.3199	1.2754
	13	9.60	1.2844	1.3130	1.3141	1.2739
	14	9.40	1.2776	1.3007	1.3067	1.2758
	15	9.20	1.2717	1.2870	1.2953	1.2869
	16	9.00	1.2628	1.2731	1.2856	1.2941
	17	8.80	1.2633	1.2684	1.2736	1.3008
	18	8.60	1.2711	1.2691	1.2681	1.3063
	19	8.40	1.2785	1.2748	1.2712	1.3123
	20	8.20	1.2842	1.2769	1.2708	1.3242
	21	8.00	1.2865	1.2768	1.2736	1.3322
	22	7.80	1.2914	1.2744	1.2781	1.3300
	23	7.60	1.2963	1.2700	1.2791	1.3412
	24	7.40	1.2972	1.2636	1.2778	1.3475
	25	7.20	1.2955	1.2555	1.2740	1.3505
	26	7.00	1.2915	1.2461	1.2679	1.3502
	27	6.80	1.2600	1.2251	1.2598	1.3468
	28	6.60	1.2520	1.2170	1.2497	1.3405
	29	6.40	1.2421	1.2087	1.2382	1.3314
	30	6.20	1.2306	1.1992	1.2267	1.3199
	31	6.00	1.2229	1.2063	1.2158	1.3056
	32	5.80	1.1727	1.1504	1.1618	1.2420
	33	5.60	1.1699	1.1496	1.1612	1.2339
	34	5.40	1.1736	1.1599	1.1668	1.2332
	35	5.20	1.1865	1.1695	1.1719	1.2361
	36	5.00	1.1994	1.1786	1.1758	1.2378
	37	4.80	1.2107	1.1874	1.1784	1.2372
	38	4.60	1.2215	1.1952	1.1798	1.2345
	39	4.40	1.2323	1.2020	1.1798	1.2298
	40	4.20	1.2438	1.2080	1.1785	1.2229
	41	4.00	1.2543	1.2128	1.1761	1.2141
	42	3.80	1.2592	1.2189	1.1723	1.2033
	43	3.60	1.2633	1.2241	1.1680	1.1927
	44	3.40	1.2659	1.2282	1.1642	1.1833
	45	3.20	1.2666	1.2330	1.1630	1.1718
	46	3.00	1.2767	1.2478	1.1675	1.1820
	47	2.80	1.2976	1.2719	1.1773	1.1870
	48	2.60	1.3227	1.2989	1.1870	1.1987
	49	2.40	1.3467	1.3253	1.1964	1.2090
	50	2.20	1.3703	1.3518	1.2056	1.2193
	51	2.00	1.3935	1.3779	1.2148	1.2296
*	52	1.80	1.0000	1.0000	1.0000	1.0000
*	53	1.60	1.0000	1.0000	1.0000	1.0000
*	54	1.40	1.0000	1.0000	1.0000	1.0000
*	55	1.20	1.0000	1.0000	1.0000	1.0000
*	56	1.00	1.0000	1.0000	1.0000	1.0000
*	57	0.80	1.0000	1.0000	1.0000	1.0000
*	58	0.60	1.0000	1.0000	1.0000	1.0000
*	59	0.40	1.0000	1.0000	1.0000	1.0000
*	60	0.20	1.0000	1.0000	1.0000	1.0000
*	61	0.00	1.0000	1.0000	1.0000	1.0000

* Top and bottom 15 % excluded per Technical Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP Tavg temperature range from 586.4 to 587.4°F.

FIGURE 11 RAOC W(Z) FOR DELTA-AO BETWEEN < -4% to -5%
SEE COLR SECTION 2.6.5

	Point	Feet	BOL W(Z)	MOL-1 W(Z)	MOL-2 W(Z)	EOL W(Z)
*	1	12.00	1.0000	1.0000	1.0000	1.0000
*	2	11.80	1.0000	1.0000	1.0000	1.0000
*	3	11.60	1.0000	1.0000	1.0000	1.0000
*	4	11.40	1.0000	1.0000	1.0000	1.0000
*	5	11.20	1.0000	1.0000	1.0000	1.0000
*	6	11.00	1.0000	1.0000	1.0000	1.0000
*	7	10.80	1.0000	1.0000	1.0000	1.0000
*	8	10.60	1.0000	1.0000	1.0000	1.0000
*	9	10.40	1.0000	1.0000	1.0000	1.0000
*	10	10.20	1.0000	1.0000	1.0000	1.0000
	11	10.00	1.3220	1.3595	1.3575	1.3028
	12	9.80	1.3158	1.3483	1.3452	1.2999
	13	9.60	1.3091	1.3383	1.3394	1.2984
	14	9.40	1.3022	1.3257	1.3318	1.3003
	15	9.20	1.2962	1.3118	1.3202	1.3116
	16	9.00	1.2871	1.2975	1.3104	1.3190
	17	8.80	1.2876	1.2928	1.2981	1.3258
	18	8.60	1.2955	1.2935	1.2925	1.3315
	19	8.40	1.3031	1.2993	1.2956	1.3375
	20	8.20	1.3089	1.3015	1.2952	1.3497
	21	8.00	1.3112	1.3014	1.2981	1.3579
	22	7.80	1.3162	1.2989	1.3026	1.3555
	23	7.60	1.3212	1.2945	1.3037	1.3670
	24	7.40	1.3221	1.2879	1.3024	1.3734
	25	7.20	1.3204	1.2796	1.2985	1.3765
	26	7.00	1.3163	1.2701	1.2922	1.3762
	27	6.80	1.2842	1.2487	1.2840	1.3727
	28	6.60	1.2760	1.2404	1.2737	1.3662
	29	6.40	1.2660	1.2319	1.2620	1.3570
	30	6.20	1.2543	1.2223	1.2503	1.3452
	31	6.00	1.2465	1.2295	1.2391	1.3307
	32	5.80	1.1727	1.1504	1.1618	1.2420
	33	5.60	1.1699	1.1496	1.1612	1.2339
	34	5.40	1.1736	1.1599	1.1668	1.2332
	35	5.20	1.1865	1.1695	1.1719	1.2361
	36	5.00	1.1994	1.1786	1.1758	1.2378
	37	4.80	1.2107	1.1874	1.1784	1.2372
	38	4.60	1.2215	1.1952	1.1798	1.2345
	39	4.40	1.2323	1.2020	1.1798	1.2298
	40	4.20	1.2438	1.2080	1.1785	1.2229
	41	4.00	1.2543	1.2128	1.1761	1.2141
	42	3.80	1.2592	1.2189	1.1723	1.2033
	43	3.60	1.2633	1.2241	1.1680	1.1927
	44	3.40	1.2659	1.2282	1.1642	1.1833
	45	3.20	1.2666	1.2330	1.1630	1.1718
	46	3.00	1.2767	1.2478	1.1675	1.1820
	47	2.80	1.2976	1.2719	1.1773	1.1870
	48	2.60	1.3227	1.2989	1.1870	1.1987
	49	2.40	1.3467	1.3253	1.1964	1.2090
	50	2.20	1.3703	1.3518	1.2056	1.2193
	51	2.00	1.3935	1.3779	1.2148	1.2296
*	52	1.80	1.0000	1.0000	1.0000	1.0000
*	53	1.60	1.0000	1.0000	1.0000	1.0000
*	54	1.40	1.0000	1.0000	1.0000	1.0000
*	55	1.20	1.0000	1.0000	1.0000	1.0000
*	56	1.00	1.0000	1.0000	1.0000	1.0000
*	57	0.80	1.0000	1.0000	1.0000	1.0000
*	58	0.60	1.0000	1.0000	1.0000	1.0000
*	59	0.40	1.0000	1.0000	1.0000	1.0000
*	60	0.20	1.0000	1.0000	1.0000	1.0000
*	61	0.00	1.0000	1.0000	1.0000	1.0000

* Top and bottom 15 % excluded per Technical Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP Tavg temperature range from 586.4 to 587.4°F.

FIGURE 12 RAOC W(Z) FOR DELTA-AO BETWEEN < -5% to -6% SEE COLR SECTION 2.6.5

	Point	Feet	BOL W(Z)	MOL-1 W(Z)	MOL-2 W(Z)	EOL W(Z)
*	1	12.00	1.0000	1.0000	1.0000	1.0000
*	2	11.80	1.0000	1.0000	1.0000	1.0000
*	3	11.60	1.0000	1.0000	1.0000	1.0000
*	4	11.40	1.0000	1.0000	1.0000	1.0000
*	5	11.20	1.0000	1.0000	1.0000	1.0000
*	6	11.00	1.0000	1.0000	1.0000	1.0000
*	7	10.80	1.0000	1.0000	1.0000	1.0000
*	8	10.60	1.0000	1.0000	1.0000	1.0000
*	9	10.40	1.0000	1.0000	1.0000	1.0000
*	10	10.20	1.0000	1.0000	1.0000	1.0000
	11	10.00	1.3470	1.3851	1.3832	1.3274
	12	9.80	1.3406	1.3738	1.3706	1.3244
	13	9.60	1.3338	1.3635	1.3647	1.3229
	14	9.40	1.3268	1.3508	1.3569	1.3248
	15	9.20	1.3206	1.3365	1.3451	1.3364
	16	9.00	1.3113	1.3220	1.3351	1.3438
	17	8.80	1.3119	1.3172	1.3226	1.3509
	18	8.60	1.3200	1.3179	1.3168	1.3566
	19	8.40	1.3276	1.3239	1.3201	1.3627
	20	8.20	1.3336	1.3260	1.3197	1.3752
	21	8.00	1.3360	1.3259	1.3226	1.3835
	22	7.80	1.3410	1.3234	1.3272	1.3811
	23	7.60	1.3461	1.3189	1.3283	1.3928
	24	7.40	1.3471	1.3122	1.3270	1.3994
	25	7.20	1.3454	1.3038	1.3230	1.4025
	26	7.00	1.3411	1.2941	1.3166	1.4022
	27	6.80	1.3084	1.2722	1.3082	1.3986
	28	6.60	1.3001	1.2638	1.2977	1.3920
	29	6.40	1.2898	1.2552	1.2858	1.3826
	30	6.20	1.2780	1.2453	1.2739	1.3706
	31	6.00	1.2700	1.2527	1.2625	1.3558
	32	5.80	1.1727	1.1504	1.1618	1.2420
	33	5.60	1.1699	1.1496	1.1612	1.2339
	34	5.40	1.1736	1.1599	1.1668	1.2332
	35	5.20	1.1865	1.1695	1.1719	1.2361
	36	5.00	1.1994	1.1786	1.1758	1.2378
	37	4.80	1.2107	1.1874	1.1784	1.2372
	38	4.60	1.2215	1.1952	1.1798	1.2345
	39	4.40	1.2323	1.2020	1.1798	1.2298
	40	4.20	1.2438	1.2080	1.1785	1.2229
	41	4.00	1.2543	1.2128	1.1761	1.2141
	42	3.80	1.2592	1.2189	1.1723	1.2033
	43	3.60	1.2633	1.2241	1.1680	1.1927
	44	3.40	1.2659	1.2282	1.1642	1.1833
	45	3.20	1.2666	1.2330	1.1630	1.1718
	46	3.00	1.2767	1.2478	1.1675	1.1820
	47	2.80	1.2976	1.2719	1.1773	1.1870
	48	2.60	1.3227	1.2989	1.1870	1.1987
	49	2.40	1.3467	1.3253	1.1964	1.2090
	50	2.20	1.3703	1.3518	1.2056	1.2193
	51	2.00	1.3935	1.3779	1.2148	1.2296
*	52	1.80	1.0000	1.0000	1.0000	1.0000
*	53	1.60	1.0000	1.0000	1.0000	1.0000
*	54	1.40	1.0000	1.0000	1.0000	1.0000
*	55	1.20	1.0000	1.0000	1.0000	1.0000
*	56	1.00	1.0000	1.0000	1.0000	1.0000
*	57	0.80	1.0000	1.0000	1.0000	1.0000
*	58	0.60	1.0000	1.0000	1.0000	1.0000
*	59	0.40	1.0000	1.0000	1.0000	1.0000
*	60	0.20	1.0000	1.0000	1.0000	1.0000
*	61	0.00	1.0000	1.0000	1.0000	1.0000

* Top and bottom 15 % excluded per Technical Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP Tavg temperature range from 586.4 to 587.4°F.

FIGURE 13 RAOC W(Z) FOR DELTA-AO BETWEEN < -6% to -7%
SEE COLR SECTION 2.6.5

	Point	Feet	BOL W(Z)	MOL-1 W(Z)	MOL-2 W(Z)	EOL W(Z)
*	1	12.00	1.0000	1.0000	1.0000	1.0000
*	2	11.80	1.0000	1.0000	1.0000	1.0000
*	3	11.60	1.0000	1.0000	1.0000	1.0000
*	4	11.40	1.0000	1.0000	1.0000	1.0000
*	5	11.20	1.0000	1.0000	1.0000	1.0000
*	6	11.00	1.0000	1.0000	1.0000	1.0000
*	7	10.80	1.0000	1.0000	1.0000	1.0000
*	8	10.60	1.0000	1.0000	1.0000	1.0000
*	9	10.40	1.0000	1.0000	1.0000	1.0000
*	10	10.20	1.0000	1.0000	1.0000	1.0000
	11	10.00	1.3719	1.4108	1.4088	1.3520
	12	9.80	1.3654	1.3992	1.3960	1.3489
	13	9.60	1.3585	1.3888	1.3900	1.3474
	14	9.40	1.3514	1.3758	1.3820	1.3494
	15	9.20	1.3451	1.3613	1.3701	1.3611
	16	9.00	1.3356	1.3465	1.3598	1.3687
	17	8.80	1.3362	1.3416	1.3471	1.3759
	18	8.60	1.3444	1.3423	1.3412	1.3817
	19	8.40	1.3522	1.3484	1.3445	1.3880
	20	8.20	1.3583	1.3506	1.3441	1.4006
	21	8.00	1.3607	1.3505	1.3471	1.4091
	22	7.80	1.3659	1.3479	1.3518	1.4067
	23	7.60	1.3710	1.3433	1.3529	1.4186
	24	7.40	1.3720	1.3365	1.3516	1.4253
	25	7.20	1.3703	1.3279	1.3475	1.4285
	26	7.00	1.3660	1.3180	1.3410	1.4281
	27	6.80	1.3327	1.2958	1.3324	1.4245
	28	6.60	1.3242	1.2872	1.3218	1.4178
	29	6.40	1.3137	1.2784	1.3097	1.4082
	30	6.20	1.3016	1.2684	1.2975	1.3960
	31	6.00	1.2935	1.2759	1.2859	1.3809
	32	5.80	1.1727	1.1504	1.1618	1.2420
	33	5.60	1.1699	1.1496	1.1612	1.2339
	34	5.40	1.1736	1.1599	1.1668	1.2332
	35	5.20	1.1865	1.1695	1.1719	1.2361
	36	5.00	1.1994	1.1786	1.1758	1.2378
	37	4.80	1.2107	1.1874	1.1784	1.2372
	38	4.60	1.2215	1.1952	1.1798	1.2345
	39	4.40	1.2323	1.2020	1.1798	1.2298
	40	4.20	1.2438	1.2080	1.1785	1.2229
	41	4.00	1.2543	1.2128	1.1761	1.2141
	42	3.80	1.2592	1.2189	1.1723	1.2033
	43	3.60	1.2633	1.2241	1.1680	1.1927
	44	3.40	1.2659	1.2282	1.1642	1.1833
	45	3.20	1.2666	1.2330	1.1630	1.1718
	46	3.00	1.2767	1.2478	1.1675	1.1820
	47	2.80	1.2976	1.2719	1.1773	1.1870
	48	2.60	1.3227	1.2989	1.1870	1.1987
	49	2.40	1.3467	1.3253	1.1964	1.2090
	50	2.20	1.3703	1.3518	1.2056	1.2193
	51	2.00	1.3935	1.3779	1.2148	1.2296
*	52	1.80	1.0000	1.0000	1.0000	1.0000
*	53	1.60	1.0000	1.0000	1.0000	1.0000
*	54	1.40	1.0000	1.0000	1.0000	1.0000
*	55	1.20	1.0000	1.0000	1.0000	1.0000
*	56	1.00	1.0000	1.0000	1.0000	1.0000
*	57	0.80	1.0000	1.0000	1.0000	1.0000
*	58	0.60	1.0000	1.0000	1.0000	1.0000
*	59	0.40	1.0000	1.0000	1.0000	1.0000
*	60	0.20	1.0000	1.0000	1.0000	1.0000
*	61	0.00	1.0000	1.0000	1.0000	1.0000

* Top and bottom 15 % excluded per Technical Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP Tavg temperature range from 586.4 to 587.4°F.

FIGURE 14 RAOC W(Z) FOR DELTA-AO BETWEEN < -7% to -8%
SEE COLR SECTION 2.6.5

	Point	Feet	BOL W(Z)	MOL-1 W(Z)	MOL-2 W(Z)	EOL W(Z)
*	1	12.00	1.0000	1.0000	1.0000	1.0000
*	2	11.80	1.0000	1.0000	1.0000	1.0000
*	3	11.60	1.0000	1.0000	1.0000	1.0000
*	4	11.40	1.0000	1.0000	1.0000	1.0000
*	5	11.20	1.0000	1.0000	1.0000	1.0000
*	6	11.00	1.0000	1.0000	1.0000	1.0000
*	7	10.80	1.0000	1.0000	1.0000	1.0000
*	8	10.60	1.0000	1.0000	1.0000	1.0000
*	9	10.40	1.0000	1.0000	1.0000	1.0000
*	10	10.20	1.0000	1.0000	1.0000	1.0000
	11	10.00	1.4218	1.4621	1.4600	1.4012
	12	9.80	1.4151	1.4501	1.4468	1.3980
	13	9.60	1.4079	1.4393	1.4405	1.3964
	14	9.40	1.4005	1.4258	1.4323	1.3984
	15	9.20	1.3940	1.4108	1.4199	1.4106
	16	9.00	1.3842	1.3955	1.4093	1.4185
	17	8.80	1.3848	1.3903	1.3960	1.4259
	18	8.60	1.3933	1.3911	1.3900	1.4320
	19	8.40	1.4014	1.3974	1.3934	1.4385
	20	8.20	1.4077	1.3997	1.3930	1.4516
	21	8.00	1.4102	1.3996	1.3960	1.4603
	22	7.80	1.4155	1.3970	1.4009	1.4578
	23	7.60	1.4209	1.3922	1.4021	1.4701
	24	7.40	1.4219	1.3851	1.4007	1.4771
	25	7.20	1.4201	1.3762	1.3965	1.4804
	26	7.00	1.4157	1.3659	1.3898	1.4801
	27	6.80	1.3811	1.3429	1.3809	1.4763
	28	6.60	1.3723	1.3340	1.3698	1.4693
	29	6.40	1.3615	1.3249	1.3573	1.4594
	30	6.20	1.3490	1.3145	1.3446	1.4468
	31	6.00	1.3405	1.3223	1.3327	1.4312
	32	5.80	1.1727	1.1504	1.1618	1.2420
	33	5.60	1.1699	1.1496	1.1612	1.2339
	34	5.40	1.1736	1.1599	1.1668	1.2332
	35	5.20	1.1865	1.1695	1.1719	1.2361
	36	5.00	1.1994	1.1786	1.1758	1.2378
	37	4.80	1.2107	1.1874	1.1784	1.2372
	38	4.60	1.2215	1.1952	1.1798	1.2345
	39	4.40	1.2323	1.2020	1.1798	1.2298
	40	4.20	1.2438	1.2080	1.1785	1.2229
	41	4.00	1.2543	1.2128	1.1761	1.2141
	42	3.80	1.2592	1.2189	1.1723	1.2033
	43	3.60	1.2633	1.2241	1.1680	1.1927
	44	3.40	1.2659	1.2282	1.1642	1.1833
	45	3.20	1.2666	1.2330	1.1630	1.1718
	46	3.00	1.2767	1.2478	1.1675	1.1820
	47	2.80	1.2976	1.2719	1.1773	1.1870
	48	2.60	1.3227	1.2989	1.1870	1.1987
	49	2.40	1.3467	1.3253	1.1964	1.2090
	50	2.20	1.3703	1.3518	1.2056	1.2193
	51	2.00	1.3935	1.3779	1.2148	1.2296
*	52	1.80	1.0000	1.0000	1.0000	1.0000
*	53	1.60	1.0000	1.0000	1.0000	1.0000
*	54	1.40	1.0000	1.0000	1.0000	1.0000
*	55	1.20	1.0000	1.0000	1.0000	1.0000
*	56	1.00	1.0000	1.0000	1.0000	1.0000
*	57	0.80	1.0000	1.0000	1.0000	1.0000
*	58	0.60	1.0000	1.0000	1.0000	1.0000
*	59	0.40	1.0000	1.0000	1.0000	1.0000
*	60	0.20	1.0000	1.0000	1.0000	1.0000
*	61	0.00	1.0000	1.0000	1.0000	1.0000

* Top and bottom 15 % excluded per Technical Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP Tavg temperature range from 586.4 to 587.4°F.

FIGURE 15 RAOC W(Z) FOR DELTA-AO BETWEEN < -8% to -10%
SEE COLR SECTION 2.6.5

	Point	Feet	BOL W(Z)	MOL-1 W(Z)	MOL-2 W(Z)	EOL W(Z)
*	1	12.00	1.0000	1.0000	1.0000	1.0000
*	2	11.80	1.0000	1.0000	1.0000	1.0000
*	3	11.60	1.0000	1.0000	1.0000	1.0000
*	4	11.40	1.0000	1.0000	1.0000	1.0000
*	5	11.20	1.0000	1.0000	1.0000	1.0000
*	6	11.00	1.0000	1.0000	1.0000	1.0000
*	7	10.80	1.0000	1.0000	1.0000	1.0000
*	8	10.60	1.0000	1.0000	1.0000	1.0000
*	9	10.40	1.0000	1.0000	1.0000	1.0000
*	10	10.20	1.0000	1.0000	1.0000	1.0000
	11	10.00	1.4717	1.5134	1.5112	1.4503
	12	9.80	1.4647	1.5010	1.4975	1.4470
	13	9.60	1.4573	1.4898	1.4910	1.4454
	14	9.40	1.4496	1.4758	1.4826	1.4475
	15	9.20	1.4429	1.4603	1.4697	1.4601
	16	9.00	1.4328	1.4444	1.4587	1.4683
	17	8.80	1.4333	1.4391	1.4450	1.4759
	18	8.60	1.4422	1.4400	1.4388	1.4822
	19	8.40	1.4506	1.4464	1.4423	1.4889
	20	8.20	1.4571	1.4488	1.4418	1.5025
	21	8.00	1.4597	1.4487	1.4450	1.5116
	22	7.80	1.4652	1.4460	1.4501	1.5090
	23	7.60	1.4708	1.4410	1.4513	1.5217
	24	7.40	1.4718	1.4337	1.4499	1.5289
	25	7.20	1.4699	1.4245	1.4455	1.5323
	26	7.00	1.4653	1.4139	1.4385	1.5320
	27	6.80	1.4296	1.3900	1.4293	1.5281
	28	6.60	1.4205	1.3808	1.4179	1.5209
	29	6.40	1.4093	1.3714	1.4049	1.5106
	30	6.20	1.3963	1.3607	1.3918	1.4975
	31	6.00	1.3876	1.3687	1.3794	1.4814
	32	5.80	1.1727	1.1504	1.1618	1.2420
	33	5.60	1.1699	1.1496	1.1612	1.2339
	34	5.40	1.1736	1.1599	1.1668	1.2332
	35	5.20	1.1865	1.1695	1.1719	1.2361
	36	5.00	1.1994	1.1786	1.1758	1.2378
	37	4.80	1.2107	1.1874	1.1784	1.2372
	38	4.60	1.2215	1.1952	1.1798	1.2345
	39	4.40	1.2323	1.2020	1.1798	1.2298
	40	4.20	1.2438	1.2080	1.1785	1.2229
	41	4.00	1.2543	1.2128	1.1761	1.2141
	42	3.80	1.2592	1.2189	1.1723	1.2033
	43	3.60	1.2633	1.2241	1.1680	1.1927
	44	3.40	1.2659	1.2282	1.1642	1.1833
	45	3.20	1.2666	1.2330	1.1630	1.1718
	46	3.00	1.2767	1.2478	1.1675	1.1820
	47	2.80	1.2976	1.2719	1.1773	1.1870
	48	2.60	1.3227	1.2989	1.1870	1.1987
	49	2.40	1.3467	1.3253	1.1964	1.2090
	50	2.20	1.3703	1.3518	1.2056	1.2193
	51	2.00	1.3935	1.3779	1.2148	1.2296
*	52	1.80	1.0000	1.0000	1.0000	1.0000
*	53	1.60	1.0000	1.0000	1.0000	1.0000
*	54	1.40	1.0000	1.0000	1.0000	1.0000
*	55	1.20	1.0000	1.0000	1.0000	1.0000
*	56	1.00	1.0000	1.0000	1.0000	1.0000
*	57	0.80	1.0000	1.0000	1.0000	1.0000
*	58	0.60	1.0000	1.0000	1.0000	1.0000
*	59	0.40	1.0000	1.0000	1.0000	1.0000
*	60	0.20	1.0000	1.0000	1.0000	1.0000
*	61	0.00	1.0000	1.0000	1.0000	1.0000

* Top and bottom 15 % excluded per Technical Specification B3.2.1

These W(Z) values are consistent with Figure 5, and are valid over the HFP Tavg temperature range from 586.4 to 587.4°F.

FIGURE 16 RAOC W(Z) FOR DELTA-AO BETWEEN < -10% to -12%
SEE COLR SECTION 2.6.5