

**DUKE POWER COMPANY**  
**OCONEE 2 CYCLE 15**  
**CORE OPERATING LIMITS REPORT**  
**REVISION 1**  
**QA CONDITION 1**

REFERENCE OSC-5785

Prepared by: Joe Colletta

Date: 1-30-95

Checked by: R.R. St. Clair

Date: 1-30-95

Approved by: [Signature]

Date: 1/30/95

Oconee Nuclear Station

Unit 2 Cycle 15

Core Operating Limits Report

Insertion Sheet for Revision 1

**Remove these Revision 0 pages**

1-3,13,20,23-26

**Insert these Revision 1 pages**

1-3,13,20,23-26

Oconee Nuclear Station

Unit 2 Cycle 15

Core Operating Limits Report

Revision Log

Revision	Effective Date	Pages Revised	Pages Added	Pages Deleted	Total Effective Pages
0	September 30, 1994	-	1-34	-	34
1	January 30, 1995	1-3, 13, 20, 23-26	-	-	34

**Oconee 2 Cycle 15**

**POWER-IMBALANCE OPERATIONAL  
LIMITS\***

	<b>POWER % OF 2568 MW</b>	<b>IMBALANCE LIMITS</b>
<b>4 PUMP</b>	0.0	-32.1
	80.0	-32.1
	90.0	-28.6
	102.0	-18.9
	102.0	+22.8
	90.0	+27.1
	80.0	+33.8
	0.0	+33.8
<b>3 PUMP</b>	0.0	-32.1
	77.0	-32.1
	77.0	+33.8
	0.0	+33.8

\* -- These limits have not been error-adjusted. Refer to Section 2 of this Report for the error-adjusted setpoints.

**Referred to by Tech. Spec. 3.5.2.6**

Oconee 2 Cycle 15

**ERROR ADJUSTED POWER-IMBALANCE OPERATIONAL SETPOINTS**

0 EFPD to EOC

	POWER % OF 2568 MW	P-I OPERATIONAL LIMIT	FULL INCORE ALARM SETPOINT	BACKUP INCORE SETPOINT	OUTCORE ALARM SETPOINT
<b>4 PUMP</b>	0	-32.1	-29.8	-21.3	-21.9
	80	-32.1	-29.8	-21.3	-21.9
	90	-28.6	-26.3	-18.0	-18.5
	102	-18.9	-16.8	-9.4	-9.9
	102	+22.8	+17.0	+12.7	+13.2
	90	+27.1	+24.8	+16.7	+17.3
	80	+33.8	+31.5	+22.7	+23.4
	0	+33.8	+31.5	+22.7	+23.4
<b>3 PUMP</b>	0.0	-32.1	-29.8	-21.3	-21.9
	64.9	-	-29.8	-	-
	72.4	-	-	-	-21.9
	72.9	-	-	-21.3	-
	77.0	-32.1	-17.0	-17.0	-17.0
	77.0	+33.8	+17.0	+17.0	+17.0
	71.6	-	-	+22.7	-
	71.0	-	-	-	+23.4
	63.3	+33.8	+31.5	-	-
	0.0	+33.8	+31.5	+22.7	+23.4

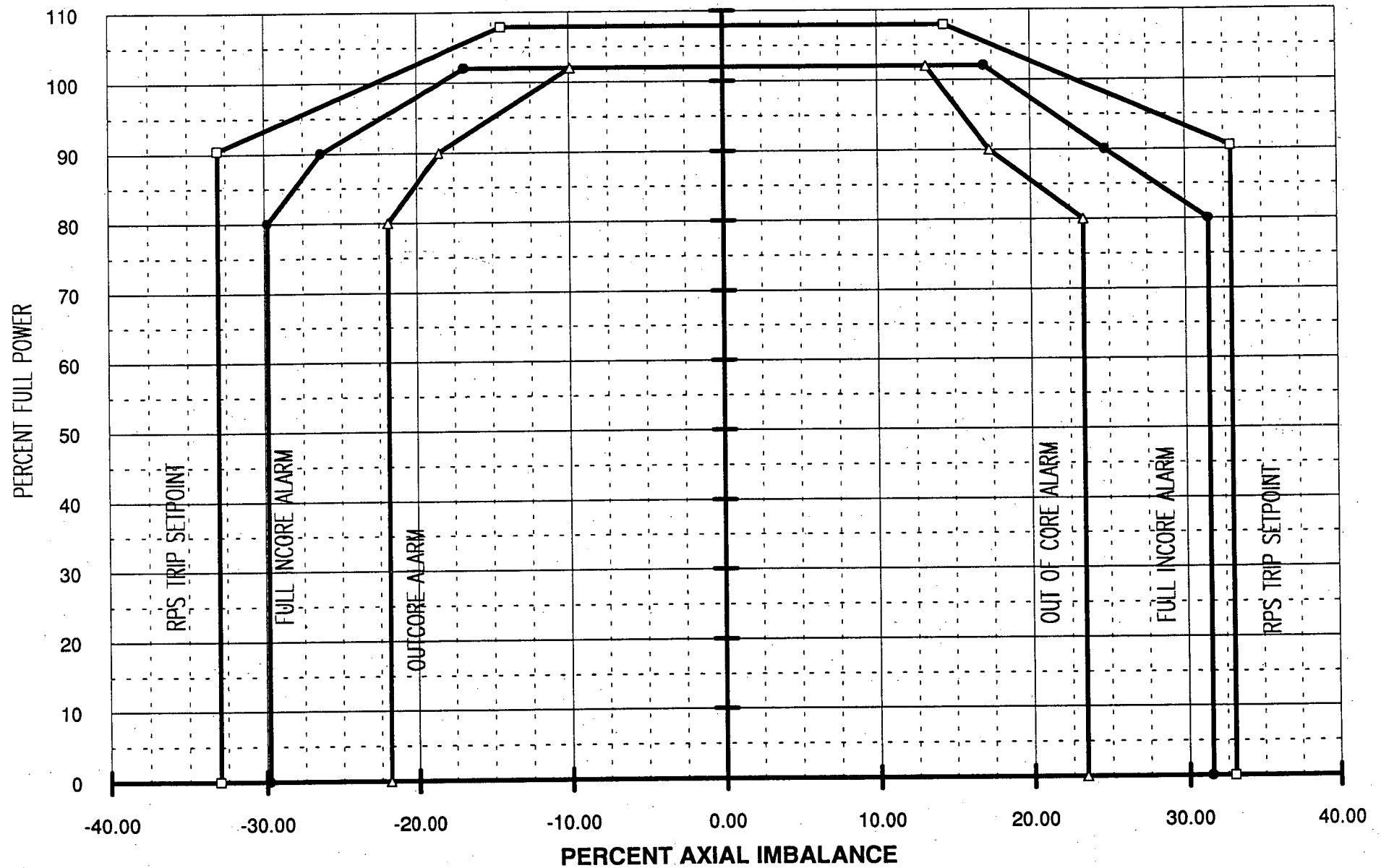
# OCONEE 2 CYCLE 15 IMBALANCE SETPOINTS

## 4 PUMP OPERATION      BOC TO EOC

PERCENT OF FULL POWER	R P S	TRIP	FULL INCORE ALARM		OUTCORE ALARM	
107.9	-14.40	14.40				
107	-15.36	15.36				
106	-16.42	16.42				
105	-17.48	17.48				
104	-18.55	18.55				
103	-19.61	19.61				
102	-20.67	20.67	-16.80	17.00	-9.90	13.20
101	-21.73	21.73	-17.59	17.65	-10.62	13.54
100	-22.80	22.80	-18.38	18.30	-11.33	13.88
99	-23.86	23.86	-19.18	18.95	-12.05	14.23
98	-24.92	24.92	-19.97	19.60	-12.77	14.57
97	-25.99	25.99	-20.76	20.25	-13.48	14.91
96	-27.05	27.05	-21.55	20.90	-14.20	15.25
95	-28.11	28.11	-22.34	21.55	-14.92	15.59
94	-29.17	29.17	-23.13	22.20	-15.63	15.93
93	-30.24	30.24	-23.93	22.85	-16.35	16.28
92	-31.30	31.30	-24.72	23.50	-17.07	16.62
91	-32.36	32.36	-25.51	24.15	-17.78	16.96
90.4	-33.00	33.00	-25.98	24.54	-18.21	17.16
90.0	-33.00	33.00	-26.30	24.80	-18.50	17.30
89	-33.00	33.00	-26.65	25.47	-18.84	17.91
88	-33.00	33.00	-27.00	26.14	-19.18	18.52
87	-33.00	33.00	-27.35	26.81	-19.52	19.13
86	-33.00	33.00	-27.70	27.48	-19.86	19.74
85	-33.00	33.00	-28.05	28.15	-20.20	20.35
84	-33.00	33.00	-28.40	28.82	-20.54	20.96
83	-33.00	33.00	-28.75	29.49	-20.88	21.57
82	-33.00	33.00	-29.10	30.16	-21.22	22.18
81	-33.00	33.00	-29.45	30.83	-21.56	22.79
80	-33.00	33.00	-29.80	31.50	-21.90	23.40
79	-33.00	33.00	-29.80	31.50	-21.90	23.40
78	-33.00	33.00	-29.80	31.50	-21.90	23.40
77	-33.00	33.00	-29.80	31.50	-21.90	23.40
76	-33.00	33.00	-29.80	31.50	-21.90	23.40
75	-33.00	33.00	-29.80	31.50	-21.90	23.40
0	-33.00	33.00	-29.80	31.50	-21.90	23.40
PERCENT OF FULL POWER	R P S	TRIP	FULL INCORE ALARM		OUTCORE ALARM	

# OCONEE 2 CYCLE 15 IMBALANCE SETPOINTS 4 PUMP OPERATION -- BOC TO EOC

ONEI-0400-51  
Page 24 of 34 (Rev. 1)



# OCONEE 2 CYCLE 15 IMBALANCE SETPOINTS

## 3 PUMP OPERATION      BOC TO EOC

PERCENT OF FULL POWER	R P S	TRIP	FULL INCORE ALARM		OUTCORE ALARM	
80.6	-14.40	14.40				
80	-15.04	15.04				
79	-16.10	16.10				
78	-17.16	17.16				
77.0	-18.23	18.23	-17.00	17.00	-17.00	17.00
76	-19.29	19.29	-18.06	18.06	-18.06	18.06
75	-20.35	20.35	-19.12	19.12	-19.12	19.12
74	-21.41	21.41	-20.18	20.18	-20.18	20.18
73	-22.48	22.48	-21.23	21.23	-21.23	21.23
72.4	-23.15	23.15	-21.90	21.90	-21.90	21.90
72	-23.54	23.54	-22.29	22.29	-21.90	22.29
71.0	-24.65	24.65	-23.40	23.40	-21.90	23.40
70	-25.67	25.67	-24.41	24.41	-21.90	23.40
69	-26.73	26.73	-25.47	25.47	-21.90	23.40
68	-27.79	27.79	-26.53	26.53	-21.90	23.40
67	-28.85	28.85	-27.58	27.58	-21.90	23.40
66	-29.92	29.92	-28.64	28.64	-21.90	23.40
65	-30.98	30.98	-29.70	29.70	-21.90	23.40
64.9	-31.08	31.08	-29.80	29.80	-21.90	23.40
64	-32.04	32.04	-29.80	30.76	-21.90	23.40
63.3	-32.79	32.79	-29.80	31.50	-21.90	23.40
63.1	-33.00	33.00	-29.80	31.50	-21.90	23.40
63	-33.00	33.00	-29.80	31.50	-21.90	23.40
62	-33.00	33.00	-29.80	31.50	-21.90	23.40
61	-33.00	33.00	-29.80	31.50	-21.90	23.40
60	-33.00	33.00	-29.80	31.50	-21.90	23.40
0	-33.00	33.00	-29.80	31.50	-21.90	23.40
PERCENT OF FULL POWER	R P S	TRIP	FULL INCORE ALARM		OUTCORE ALARM	



# OCONEE 2 CYCLE 15 IMBALANCE SETPOINTS 3 PUMP OPERATION -- BOC TO EOC

ONEI-0400-51  
Page 26 of 34 (Rev. 1)

