

39  
NUCLEAR PLANT OPERATING STATISTICS

\*Corrected

Browns Ferry Nuclear

Plant

Period Hours 720

Month November 19 84

Item No.	Unit No.	Unit 1	Unit 2	Unit 3	Plant
1	Average Hourly Gross Load, kW	1,069,417	0	113,636	1,067,668
2	Maximum Hour Net Generation, MWh	1074	0	121	1151
3	Core Thermal Energy Gen, GWD (t) <sup>2</sup>	*96,6765	0	(5)	*96,6765
4	Steam Gen. Thermal Energy Gen, GWD (t) <sup>2</sup>				
5	Gross Electrical Gen., MWh	769,980	0	150	770,130
6	Station Use, MWh	18,858	2,799	9,128	30,785
7	Net Electrical Gen., MWh	751,122	-2,799	-8978	739,345
8	Station Use, Percent	2.45	0	6085.33	4.00
9	Accum. Core Avg. Exposure, MWD/Ton <sup>1</sup>	16,446	0	(5)	16,446
10	CTEG This Month, 10 <sup>6</sup> BTU	7,916,351	0	(5)	7,916,351
11	SGTEG This Month, 10 <sup>6</sup> BTU				
12					
13	Hours Reactor Was Critical	720	0	172.38	892.38
14	Unit Use, Hours-Min.	720:00	0	1:19	72:19
15	Capacity Factor, Percent	97.4	0	.02	32.5
16	Turbine Avail. Factor, Percent	100	0	93.3	64.4
17	Generator Avail. Factor, Percent	100	0	100	66.7
18	Turbogen. Avail. Factor, Percent	100	0	93.3	64.4
19	Reactor Avail. Factor, Percent	100	0	100	66.7
20	Unit Avail. Factor, Percent	100	0	.18	32.4
21	Turbine Startups	0	0	2	2
22	Reactor Cold Startups	0	0	2	2
23					
24	Gross Heat Rate, Btu/kWh	10,280	0	(5)	10,280
25	Net Heat Rate, Btu/kWh	10,540	0	(5)	10,720
26					
27					
28	Throttle Pressure, psia	947	0	921	947
29	Throttle Temperature, °F	538		535	538
30	Exhaust Pressure, InHg Abs.	1.73	0	1.87	1.73
31	Intake Water Temp., °F	60.5	0	52.8	60.5
32					
33	Main Feedwater, Mlb/hr	12.9	0	1.9	12.9
34					
35					
36					
37	Full Power Capacity, EFPD (3)	346	(4)	(5)	
38	Accum. Cycle Full Power Days, EFPD (3)	*281	(4)	(5)	
39	Oil Fired for Generation, Gallons				
40	Oil Heating Value, Btu/Gal.				47,128
41	Direct Generation, MWh				140,900
42					33.6
43	Max. Hour Net Gen.	Max. Day Net Gen.	Load Factor, %		
	MWh Time Date	MWh Date			
	1151 2300 11/28/84	25549 11/14/84	89.2		

Remarks: <sup>1</sup>For BFNP this value is MWD/STU and for SQNP and WBNP this value is MWD/MTU.

<sup>2</sup>(t) indicates Thermal Energy.

(3) Information furnished by Reactor Analysis Group, Chattanooga.

(4) End of cycle 5 refuel outage.

(5) No measurable core exposure or MBTU.

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## OPERATING DATA REPORT

DOCKET NO 50-259

DATE 12/1/84

COMPLETED BY Ted Thom

TELEPHONE 205/729-3834

## OPERATING STATUS

1. Unit Name: Browns Ferry 1
2. Reporting Period: November 1984
3. Licensed Thermal Power (MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1065
6. Maximum Dependable Capacity (Gross MWe): 1098.4
7. Maximum Dependable Capacity (Net MWe): 1065
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reason:  
N/A
9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

Notes

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	720	8,040	90,656
12. Number Of Hours Reactor Was Critical	720	7,323.48	57,129.6
13. Reactor Reserve Shutdown Hours	0	700.20	6,485.22
14. Hours Generator On-Line	720	7,178.95	55,896.59
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWt)	*2,320,236	*22,286,082	*160,843,761
17. Gross Electrical Energy Generated (MWh)	769,980	7,345,670	52,991,290
18. Net Electrical Energy Generated (MWh)	751,122	7,153,020	51,478,347
19. Unit Service Factor	100	89.3	61.7
20. Unit Availability Factor	100	89.3	61.7
21. Unit Capacity Factor (Using MDC Net)	98.0	83.5	53.3
22. Unit Capacity Factor (Using DER Net)	98.0	83.5	53.3
23. Unit Forced Outage Rate	0	10.4	22.3
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each)			

25. If Shut Down At End Of Report Period, Estimated Date of Startup

26. Units In Test Status (Prior to Commercial Operation)

Forecast

Achieved

INITIAL CRITICALITY  
INITIAL ELECTRICALITY  
COMMERCIAL OPERATION