

OPERATING DATA REPORT

DOCKET NO. 50-259
 DATE 1/1/85
 COMPLETED BY T. Thom
 TELEPHONE 205/729-3834

OPERATING STATUS

1. Unit Name: Browns Ferry - One
2. Reporting Period: December 1984
3. Licensed Thermal Power (MWT): 3298
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 Reasons:
N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744	3,784	91,400
12. Number Of Hours Reactor Was Critical	744	8,067.48	57,873.6
13. Reactor Reserve Shutdown Hours	0	700.20	6,485.22
14. Hours Generator On Line	744	7,922.95	56,640.59
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	*2,272,205	*24,558,287	*163,115,966
17. Gross Electrical Energy Generated (MWH)	754,190	8,099,860	53,745,480
18. Net Electrical Energy Generated (MWH)	735,474	7,888,494	52,213,821
19. Unit Service Factor	100	90.2	62.0
20. Unit Availability Factor	100	90.2	62.0
21. Unit Capacity Factor (Using MDC Net)	92.8	84.3	53.6
22. Unit Capacity Factor (Using DER Net)	92.8	84.3	53.6
23. Unit Forced Outage Rate	0	9.5	22.1
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):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast

Achieved

8509100448 850716
 PDR ADOCK 05000259
 R PDR

(1/77)

43
NUCLEAR PLANT OPERATING STATISTICS

*Corrected

Browns Ferry Plant

Period Hours 744

Month December 1984

		Month December					19 84
	Item No.	Unit No.	Unit 1	Unit 2	Unit 3	Plant	
Generation	1	Average Hourly Gross Load, kW	1,013,696	0	603,099	848,120	
	2	Maximum Hour Net Generation, MWh	1,077	0	1087 (5)	2,087	
	3	Core Thermal Energy Gen, GWD (t) ²	*94.6752	0	37.9465	*132.6217	
	4	Steam Gen. Thermal Energy Gen., GWD (t) ²					
	5	Gross Electrical Gen., MWh	754,190	0	303,220	1,057,410	
	6	Station Use, MWh	18,716	2,561	12,715	33,992	
	7	Net Electrical Gen., MWh	735,474	-2,561	290,505	1,023,418	
	8	Station Use, Percent	2.48	0	4.19	3.21	
	9	Accum. Core Avg. Exposure, MWD/Ton ¹	17,061	0	9,756	26,817	
	10	CTEG This Month, 10 ⁶ BTU	7,758,446	0	3,104,148	10,862,594	
	11	SGTEG This Month, 10 ⁶ BTU					
	12						
Factors & Use	13	Hours Reactor Was Critical	744	0	528.25	1272.25	
	14	Unit Use, Hours-Min.	744:00	0	502:46	1246:46	
	15	Capacity Factor, Percent	92.3	0	47.1	43.1	
	16	Turbine Avail. Factor, Percent	100	0	98.6	99.2	
	17	Generator Avail. Factor, Percent	100	0	100	99.7	
	18	Turbogen. Avail. Factor, Percent	100	0	98.6	99.7	
	19	Reactor Avail. Factor, Percent	100	0	100	99.7	
	20	Unit Avail. Factor, Percent	100	0	67.6	55.9	
	21	Turbine Startups	0	0	1	3	
	22	Reactor Cold Startups	0	0	1	1	
	23						
Efficiency	24	Gross Heat Rate, Btu/kWh	10,290	0	10,250	10,280	
	25	Net Heat Rate, Btu/kWh	10,350	0	10,600	10,610	
	26						
	27						
Temp & Press	28	Throttle Pressure, psig	945	0	938	938	
	29	Throttle Temperature, °F	538	0	536	537	
	30	Exhaust Pressure, InHg Abs.	1.24	0	0.96	1.13	
	31	Intake Water Temp., °F	55.2	0	52.7	54.2	
	32						
Flows	33	Main Feedwater, Mlb/hr	12.2	0	6.9	10.1	
	34						
	35						
	36						
Misc	37	Full Power Capacity, EFPD (3)	346	(4)	375		
	38	Accum. Cycle Full Power Days, EFPD (3)	*309	(4)	12		
	39	Oil Fired for Generation, Gallons				59,649	
	40	Oil Heating Value, Btu/Gal.				140,000	
	41	Diesel Generation, MWh				21.0	
	42						
Summary Data	Max. Hour Net Gen.		Max. Day Net Gen.		Load Factor, %		
	MWh	Time	Date	MWh			Date
	43	2087	1900	12/30/84			50,581
Remarks: 1 For BBNP this value is MWD/STU and for SQNP and WBNP this value is MWD/MTU.							
2(t) indicates Thermal Energy.							
(3) Information furnished by Reactor Analysis Group, Chattanooga							
(4) End-of-cycle 5 Refuel Outage							
(5) Problems with Indicating with hour meter.							

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