

NUCLEAR PLANT OPERATING STATISTICS

Browns Ferry Nuclear

Plant

*Corrected

Period Hours 744

Month January

19 85

Item No.	Unit No.	Unit 1	Unit 2	Unit 3	Plant	
1	Average Hourly Gross Load, kW	1,007,156	0	1,067,704	1,042,301	
2	Maximum Hour Net Generation, MWh	1074	0	1091	2141	
3	Core Thermal Energy Gen, GWD (t) ²	*66.0417	0	96.4089	*162.4506	
4	Steam Gen. Thermal Energy Gen., GWD (t) ²					
5	Gross Electrical Gen., MWh	524,950	0	769,900	1,294,850	
6	Station Use, MWh	16,289	3,095	19,024	38,408	
7	Net Electrical Gen., MWh	508,661	-3,095	750,876	1,256,442	
8	Station Use, Percent	3.10	0	2.47	2.97	
9	Accum. Core Avg. Exposure, MWD/Ton ¹	17,490	0	10,381	27,871	
10	CTEG This Month, 10 ⁶ BTU	5,407,423	0	7,903,170	13,310,593	
11	SGTEG This Month, 10 ⁶ BTU					
12						
13	Hours Reactor Was Critical	542.33	0	725.67	1268.00	
14	Unit Use, Hours-Min.	521:13	0	721:05	1242:18	
15	Capacity Factor, Percent	64.2	0	94.2	52.8	
16	Turbine Avail. Factor, Percent	100	0	100	66.7	
17	Generator Avail. Factor, Percent	100	0	100	66.7	
18	Turbogen. Avail. Factor, Percent	100	0	100	66.7	
19	Reactor Avail. Factor, Percent	100	0	100	66.7	
20	Unit Avail. Factor, Percent	70.1	0	30.2	55.7	
21	Turbine Startups	1	0	1	2	
22	Reactor Cold Startups	2	0	0	2	
23						
24	Gross Heat Rate, Btu/kWh	10,300	0	10,270	10,290	
25	Net Heat Rate, Btu/kWh	10,630	0	10,530	10,600	
26						
27						
28	Throttle Pressure, psig	942	0	934	937	
29	Throttle Temperature, °F	538	0	537	537	
30	Exhaust Pressure, InHg Abs.	1.02	0	0.97	0.99	
31	Intake Water Temp., °F	44.7	0	41.5	42.3	
32						
33	Main Feedwater, M lb/hr	11.7	0	12.5	12.2	
34						
35						
36						
37	Full Power Capacity, EFPO (3)	346	(4)	375		
38	Accum. Cycle Full Power Days, EFPO (3)	*329	(4)	41		
39	Oil Fired for Generation, Gallons				45,587	
40	Oil Heating Value, Btu/Gal.				140,900	
41	Diesel Generation, MWh				33.6	
42						
43	Max. Hour Net Gen.		Max. Day Net Gen.		Load Factor, %	
	MWh	Time	Date	MWh	Date	
43	2141	11:00	1/31/85	51,588	1-15-85	78.9
Remarks: 1 For BFNP this value is MWD/STU and for SQNP and WBNP this value is MWD/MTU.						
2 (t) indicates Thermal Energy.						
(3) Information furnished by Rx Analysis Group, Chatt.						
(4) End of cycle 5 refuel outage.						

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PDR ADOCK 05000259
R PDR

Date Submitted 2/1/85

Date Revised

Plant Superintendent

OPERATING DATA REPORT

DOCKET NO 50-259
 DATE 2/1/85
 COMPLETED BY T. Thom
 TELEPHONE (205) 729-3834

OPERATING STATUS

1. Unit Name: Browns Ferry One
2. Reporting Period: January 1985
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 Reasons:
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	<u>744</u>	<u>744</u>	<u>92,144</u>
12. Number Of Hours Reactor Was Critical	<u>542.33</u>	<u>542.33</u>	<u>58,415.93</u>
13. Reactor Reserve Shutdown Hours	<u>201.67</u>	<u>201.67</u>	<u>6,636.89</u>
14. Hours Generator On-Line	<u>521.22</u>	<u>521.22</u>	<u>57,161.81</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>*1,585,001</u>	<u>*1,585,001</u>	<u>*164,700,967</u>
17. Gross Electrical Energy Generated (MWH)	<u>524,950</u>	<u>524,950</u>	<u>54,270,430</u>
18. Net Electrical Energy Generated (MWH)	<u>508,661</u>	<u>508,661</u>	<u>52,722,482</u>
19. Unit Service Factor	<u>70.1</u>	<u>70.1</u>	<u>62.0</u>
20. Unit Availability Factor	<u>70.1</u>	<u>70.1</u>	<u>62.0</u>
21. Unit Capacity Factor (Using MDC Net)	<u>64.2</u>	<u>64.2</u>	<u>53.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>64.2</u>	<u>64.2</u>	<u>53.7</u>
23. Unit Forced Outage Rate	<u>*29.9</u>	<u>*29.9</u>	<u>*22.2</u>
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 ELECTRICITY

COMMERCIAL OPERATION