



Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609

AUG 14 1992

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

Gentlemen:

In the Matter of	)	Docket Nos. 50-259
Tennessee Valley Authority	)	50-260
		50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - MONTHLY OPERATING REPORT FOR THE MONTH OF JULY 1992

In accordance with the requirements of the BFN Technical Specifications section 6.9.1.3, the Monthly Operating Report for the month of July 1992 is provided in the enclosure.

If you have any questions, please telephone me at (205) 729-7566.

Sincerely,

R. R. Baron, Manager  
of Site Licensing

Enclosures  
cc: See page 2

9208190223 920731  
PDR ADOCK 05000259  
R PDR

JE24

U.S. Nuclear Regulatory Commission

AUG 14 1992

Enclosures

cc (Enclosures):

INPO Records Center  
Institute of Nuclear Power Operations  
1100 Circle 75 Parkway, Suite 1500  
Atlanta, Georgia 30389

Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

Mr. Frederick J. Hebdon, Director  
Project Directorate II-4  
Division of Reactor Projects I-II  
Office of Nuclear Reactor  
Regulation, Mail 13 H3  
Washington, D.C. 20555

Mr. Ted Martson, Director  
Electric Power Research Institute  
P.O. Box 10412  
Palo Alto, California 94304

Mr. B. A. Wilson, Project Chief  
U.S. Nuclear Regulatory Commission  
Region II Regulatory Commission  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

NRC Resident Inspector  
Browns Ferry Nuclear Plant  
Route 12, Box 637  
Athens, Alabama 35611

Mr. Fred Yost, Director of Research  
Services, Utility Data Institute, Inc.,  
1700 K Street, NW, Suite 400  
Washington, D.C. 20006

MONTHLY OPERATING REPORT

BROWNS FERRY NUCLEAR PLANT

TENNESSEE VALLEY AUTHORITY

JULY 1992

DOCKET NUMBERS 50-259, 50-260, AND 50-296

LICENSE NUMBERS DPR-33, DPR-52, AND DPR-68

OPERATIONAL SUMMARY

JULY 1992

UNIT 1

Unit remains on administrative hold to resolve various TVA and NRC concerns.

UNIT 2

Unit 2 generated 731,240 MWHs (gross) electrical power and was on line 96 percent of the reporting period.

UNIT 3

Unit remains on administrative hold to resolve various TVA and NRC concerns.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259

Unit One

PREPARED BY S. A. Ratliff

TELEPHONE (205) 729-2937

MONTH JULY 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>0</u>
16	<u>0</u>		

PLLIC207/449/8

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260  
 Unit Two  
 PREPARED BY S. A. Ratliff  
 TELEPHONE (205) 729-2937

MONTH JULY 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1065</u>	17	<u>1035</u>
2	<u>1069</u>	18	<u>1060</u>
3	<u>1067</u>	19	<u>1068</u>
4	<u>1060</u>	20	<u>1063</u>
5	<u>1070</u>	21	<u>1065</u>
6	<u>1062</u>	22	<u>1063</u>
7	<u>1065</u>	23	<u>1065</u>
8	<u>1060</u>	24	<u>1068</u>
9	<u>1065</u>	25	<u>1037</u>
10	<u>1012</u>	26	<u>1063</u>
11	<u>657</u>	27	<u>1066</u>
12	<u>857</u>	28	<u>860</u>
13	<u>856</u>	29	<u>0</u>
14	<u>1040</u>	30	<u>280</u>
15	<u>1065</u>	31	<u>782</u>
16	<u>1067</u>		

NOTE: Net generation values are based on manual readings from an integrating watt hour meter. Small differences in the time of day of manual recording may cause the values to vary slightly.

PLLIC207/449/9

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296  
 UNIT Three  
 PREPARED BY S. A. Ratliff  
 TELEPHONE (205) 729-2937

MONTH JULY 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

PLLIC207/449/10

# OPERATING DATA REPORT

DOCKET NO. 50-259  
 PREPARED BY S. A. Ratliff  
 TELEPHONE (205) 729-2937

## OPERATING STATUS

1. Unit Name: P. J. Purns Ferry Unit One
2. Reporting Period: July 1992
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

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	<u>744</u>	<u>5111</u>	<u>157855</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>59521</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>6997</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>58267</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>168066787</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>55398130</u>
18. Net Electrical Energy Generated (MWH)	<u>-2425</u>	<u>-15104</u>	<u>53520386</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>36.9</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>36.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>31.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>31.8</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>58.1</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: To be determined

# OPERATING DATA REPORT

260  
Ratliff  
729-2937

## OPERATING STATUS

1. Unit Name: Browns Ferry Unit Two
2. Reporting Period: July 1992
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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744.0	5111.0	152742
12. Number of Hours Reactor Was Critical	717.3	4896.2	65403
13. Reactor Reserve Shutdown Hours	0	0	14200
14. Hours Generator On-Line	710.7	4833.6	63300
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2211477.6	15266092.9	180341948
17. Gross Electrical Energy Generated (MWH)	731240.0	5144370.0	59814178
18. Net Electrical Energy Generated (MWH)	712830.0	5019740.0	57829999
19. Unit Service Factor	95.5	94.6	41.4
20. Unit Availability Factor	95.5	94.6	41.4
21. Unit Capacity Factor (Using MDC Net)	90.0	92.2	35.6
22. Unit Capacity Factor (Using DER Net)	90.0	92.2	35.6
23. Unit Forced Outage Rate	4.5	1.5	51.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

PLLIC207/449/12

# OPERATING DATA REPORT

DOCKET NO. 50-296  
 PREPARED BY S. A. Ratliff  
 TELEPHONE (205) 729-2937

## OPERATING STATUS

1. Unit Name: Browns Ferry Unit Three
2. Reporting Period: July 1992
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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	744.0	5111.0	135167
12. Number of Hours Reactor Was Critical	0	0	45306
13. Reactor Reserve Shutdown Hours	0	0	5150
14. Hours Generator On-Line	0	0	44195
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	0	131868267
17. Gross Electrical Energy Generated (MWH)	0	0	43473760
18. Net Electrical Energy Generated (MWH)	-1979.0	-11915.0	41940894
19. Unit Service Factor	0	0	32.7
20. Unit Availability Factor	0	0	32.7
21. Unit Capacity Factor (Using MDC Net)	0	0	29.1
22. Unit Capacity Factor (Using DER Net)	0	0	29.1
23. Unit Forced Outage Rate	100.0	100.0	62.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

N/A

25. If Shut Down At End Of Report Period, Estimated Date of Startup: To be determined

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1992DOCKFT NO: 50-259UNIT NAME: OnePREPARED BY: S. A. RatliffTELEPHONE: (205) 729 2937

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
315	06/01/85	F	744	F	4				Administrative hold to resolve various TVA and NRC concerns.

<sup>1</sup>F: Forced  
S: Scheduled

<sup>2</sup>Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training and License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup>Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Continuation of Existing Outage  
5-Reduction  
9-Other

<sup>4</sup>Exhibit G-Instructions  
for Preparation of Data  
Entry sheets for Licensee  
Event Report (LER) File  
(NUREG-061)

<sup>5</sup>Exhibit I-Same Source

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1992DOCKET NO: 50-260UNIT NAME: TwoCOMPLETED BY: S. A. RatliffTELEPHONE: (205) 729-2937

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
10	7/12/92	S	0	B	5				Power Reduction to 75% for rod adjustment and maintenance.
11	7/28/92	F	33.0	A	3				Scram due to a spurious high water level trip, caused by a false signal from a new electrical switch.

<sup>1</sup>F: Forced  
S: Scheduled

<sup>2</sup>Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training and License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup>Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Continuation of Exist. Outage  
5-Reduction  
9-Other

<sup>4</sup>Exhibit G-Instructions  
for Preparation of Data  
Entry sheets for Licensee  
Event Report (LER) File  
(NUREG-061)

<sup>5</sup>Exhibit I-Same Source

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: July 1992DOCKET NO: 50-296UNIT NAME: ThreeCOMPLETED BY: S. A. RatliffTELEPHONE: (205) 729-2937

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
157	03/03/85	F	744	F	4				Administrative hold to resolve various TVA and NRC concerns.

<sup>1</sup>F: Forced  
S: Scheduled

<sup>2</sup>Reason:  
A-Equipment Failure (Explain)  
B-Maintenance or Test  
C-Refueling  
D-Regulatory Restriction  
E-Operator Training and License Examination  
F-Administrative  
G-Operational Error (Explain)  
H-Other (Explain)

<sup>3</sup>Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Continuation of Existing Outage  
5-Reduction  
9-Other

<sup>4</sup>Exhibit G-Instructions  
or Preparation of Data  
Entry sheets for Licensee  
Event Report (LER) File  
(NUREG-061)

<sup>5</sup>Exhibit I-Same Source