



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

AUG 15 1994

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 1994**

In accordance with the requirements of BFN Units 1, 2, and 3 Technical Specifications Section 6.9.1.3, TVA is submitting the Monthly Operating Report for the month of July 1994 in the enclosure.

If you have any questions, please telephone me at  
(205) 729-2636.

Sincerely,

Pedro Salas  
Manager of Site Licensing

Enclosure  
cc: See page 2

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Enclosure

cc (Enclosure):

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ENCLOSURE

TENNESSEE VALLEY AUTHORITY  
BROWNS FERRY NUCLEAR PLANT (BFN)  
UNITS 1, 2, AND 3

MONTHLY OPERATING REPORT  
JULY 1994

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OPERATIONAL SUMMARY  
JULY 1994

BROWNS FERRY 1

Unit 1 remains shutdown on administrative hold to resolve various TVA and NRC concerns. Unit 1 has been on administrative hold since June 1, 1985. As a result, TVA considers that accrual of reporting hours is suspended since the unit has a maximum dependable capacity of 0 MWe. Accordingly, TVA does not consider cumulative reporting period hours for the period beginning June 1, 1985, when calculating the operating status variables.

BROWNS FERRY 2

Unit 2 operated continuously this month at a capacity factor of 99.2 percent and generated 805,910 megawatt hours gross electrical power. On July 24, 1994, Unit 2 began coasting down in preparation for the Cycle 7 refueling outage, currently scheduled to begin October 1, 1994.

BROWNS FERRY 3

Unit 3 remains shutdown on administrative hold to resolve various TVA and NRC concerns. Unit 3 has been on administrative hold since June 1, 1985. As a result, TVA considers that accrual of reporting hours is suspended since the unit has a maximum dependable capacity of 0 MWe. Accordingly, TVA does not consider cumulative reporting period hours for the period beginning June 1, 1985, when calculating the operating status variables.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-259  
UNIT: BROWNS FERRY 1  
PREPARED BY: T. R. Smith  
TELEPHONE: (205) 729-2955

MONTH July 1994

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

16	<u>0</u>
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-260  
UNIT: BROWNS FERRY 2  
PREPARED BY: T. R. Smith  
TELEPHONE: (205) 729-2955

MONTH July 1994

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>1085</u>
2	<u>1027</u>
3	<u>1067</u>
4	<u>1059</u>
5	<u>1062</u>
6	<u>1059</u>
7	<u>1059</u>
8	<u>1060</u>
9	<u>1043</u>
10	<u>1067</u>
11	<u>1068</u>
12	<u>1063</u>
13	<u>1067</u>
14	<u>1066</u>
15	<u>1066</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

16	<u>1066</u>
17	<u>1064</u>
18	<u>1061</u>
19	<u>1058</u>
20	<u>1057</u>
21	<u>1058</u>
22	<u>1058</u>
23	<u>1044</u>
24	<u>1048</u>
25	<u>1053</u>
26	<u>1055</u>
27	<u>1046</u>
28	<u>1043</u>
29	<u>1048</u>
30	<u>1041</u>
31	<u>1035</u>

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-296  
UNIT: BROWNS FERRY 3  
PREPARED BY: T. R. Smith  
TELEPHONE: (205) 729-2955

MONTH July 1994

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

16	<u>0</u>
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: July 1994

DOCKET NO: 50-259  
UNIT: BROWNS FERRY 1  
PREPARED BY: T. R. Smith  
TELEPHONE: (205) 729-2955

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

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

<sup>2</sup>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>Instructions for Preparation of Licensee  
Event Reports (NUREG-1022)

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: July 1994

DOCKET NO: 50-260  
UNIT: BROWNS FERRY 2  
PREPARED BY: T. R. Smith  
TELEPHONE: (205) 729-2955

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	License Event Report No.	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause and Corrective Action to Prevent Recurrence
N/A									

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

<sup>2</sup>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>Instructions for Preparation of Licensee  
Event Reports (NUREG-1022)

UNIT SHUTDOWNS AND POWER REDUCTIONS  
REPORT MONTH: July 1994

DOCKET NO: 50-296  
UNIT: BROWNS FERRY 3  
PREPARED BY: T. R. Smith  
TELEPHONE: (205) 729-2955

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

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

<sup>2</sup>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>Instructions for Preparation of Licensee  
Event Reports (NUREG-1022)

# OPERATING DATA REPORT

DOCKET: 50-259  
UNIT: BROWNS FERRY 1  
PREPARED BY: T. R. SMITH  
TELEPHONE: (205) 729-2955

## OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT 1
2. Reporting Period: JULY 1994
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): 0
7. Maximum Dependable Capacity (Net MWe): 0
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): 0
10. Reason For Restrictions, If Any: Administrative Hold

## THIS MONTH YEAR TO DATE CUMULATIVE\*

11. Hours in Reporting Period	0	0	95743
12. Hours Reactor Was Critical	0	0	59521
13. Reactor Reserve Shutdown Hours	0	0	6997
14. Hours Generator On Line	0	0	58267
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Generation (MWh)	0	0	168066787
17. Gross Electrical Generation (MWh)	0	0	55398130
18. Net Electrical Generation (MWh)	0	0	53796427
19. Unit Service Factor	0	0	60.9
20. Unit Availability Factor	0	0	60.9
21. Unit Capacity Factor (MDC Net)	0	0	52.8
22. Unit Capacity Factor (DER net)	0	0	52.8
23. Unit Forced Outage Rate	0	0	25.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	N/A		
25. If Shut Down At End Of Reporting Period, Estimated Date of Startup:	To be determined		

\* Excludes hours under administrative hold  
(June 1, 1985 to present)

# OPERATING DATA REPORT

DOCKET: 50-260  
 UNIT: BROWNS FERRY 2  
 PREPARED BY: T. R. SMITH  
 TELEPHONE: (205) 729-2955

## OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT 2
2. Reporting Period: JULY 1994
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. Reason For Restrictions, If Any: N/A

## THIS MONTH YEAR TO DATE CUMULATIVE\*

11. Hours in Reporting Period	744	5087	118398
12. Hours Reactor Was Critical	744	4952	79769
13. Reactor Reserve Shutdown Hours	0	0	14200
14. Hours Generator On Line	744	4941	77566
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Generation (MWh)	2434541	16048715	224596316
17. Gross Electrical Generation (MWh)	805910	5391460	74599378
18. Net Electrical Generation (MWh)	786095	5263839	72508501
19. Unit Service Factor	100.0	97.1	65.5
20. Unit Availability Factor	100.0	97.1	65.5
21. Unit Capacity Factor (MDC Net)	99.2	97.2	57.5
22. Unit Capacity Factor (DER net)	99.2	97.2	57.5
23. Unit Forced Outage Rate	0.0	2.9	17.7
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	Cycle 7 refueling outage scheduled to begin October 1, 1994, and currently scheduled for 43 days.		
25. If Shut Down At End Of Reporting Period, Estimated Date of Startup:	N/A		

\* Excludes hours under administrative hold  
 (June 1, 1985 to May 24, 1991)

# OPERATING DATA REPORT

DOCKET: 50-296  
UNIT: BROWNS FERRY 3  
PREPARED BY: T. R. SMITH  
TELEPHONE: (205) 729-2955

## OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT 3
2. Reporting Period: JULY 1994
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): 0
7. Maximum Dependable Capacity (Net MWe): 0
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): 0
10. Reason For Restrictions, If Any: Administrative Hold

## THIS MONTH YEAR TO DATE CUMULATIVE\*

11. Hours in Reporting Period	0	0	73055
12. 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 Generation (MWh)	0	0	131868267
17. Gross Electrical Generation (MWh)	0	0	43473760
18. Net Electrical Generation (MWh)	0	0	42114009
19. Unit Service Factor	0	0	60.5
20. Unit Availability Factor	0	0	60.5
21. Unit Capacity Factor (MDC Net)	0	0	54.2
22. Unit Capacity Factor (DER net)	0	0	54.2
23. Unit Forced Outage Rate	0	0	21.6
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	N/A		
25. If Shut Down At End Of Reporting Period, Estimated Date of Startup:	To be determined		

\* Excludes hours under administrative hold  
(June 1, 1985 to present)