



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

April 10, 1997

U.S. Nuclear Regulatory Commission
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Washington, D.C. 20555

Gentlemen:

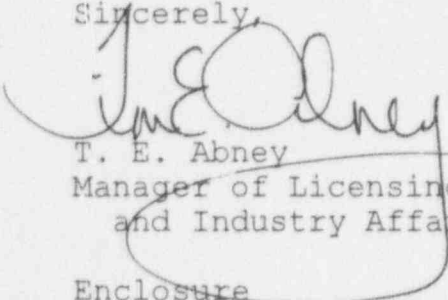
In the Matter of)	Docket Nos. 50-259
Tennessee Valley Authority)	50-260
		50-296

**BROWNS FERRY NUCLEAR PLANT (BFN) - MONTHLY OPERATING REPORT
FOR THE MONTH OF MARCH 1997**

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 March 1997 in the enclosure.

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

Sincerely,


T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosure

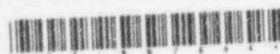
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Page 2
April 10, 1997

Enclosure

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ENCLOSURE

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

MONTHLY OPERATING REPORT
MARCH 1997

(SEE ATTACHED)

OPERATIONAL SUMMARY
MARCH 1997

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 zero 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

For the month of March, Unit 2 generated 815,730 megawatt hours gross electrical power and operated at a net capacity factor of 100.7 percent. As of March 31, 1997, Unit 2 has operated continuously for 149 days.

BROWNS FERRY 3

For the month of March, Unit 3 generated 425,100 megawatt hours gross electrical power and operated at a net capacity factor of 52.1 percent. The cycle 7 refueling outage ended at 0240 hours on March 13, 1997. The refueling outage was completed in 19 days and 39 minutes.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-259
UNIT: BROWNS FERRY 1
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

MONTH MARCH 1997

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: J. W. Davenport
TELEPHONE: (205) 729-2690

MONTH MARCH 1997

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>1091</u>
2	<u>1089</u>
3	<u>1091</u>
4	<u>1090</u>
5	<u>1101</u>
6	<u>1081</u>
7	<u>1094</u>
8	<u>1090</u>
9	<u>1088</u>
10	<u>1057</u>
11	<u>1086</u>
12	<u>1084</u>
13	<u>1084</u>
14	<u>1044</u>
15	<u>751</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

16	<u>1081</u>
17	<u>1078</u>
18	<u>1085</u>
19	<u>1087</u>
20	<u>1092</u>
21	<u>1065</u>
22	<u>1090</u>
23	<u>1083</u>
24	<u>1078</u>
25	<u>1082</u>
26	<u>1083</u>
27	<u>1083</u>
28	<u>1079</u>
29	<u>1082</u>
30	<u>1084</u>
31	<u>1080</u>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-296
 UNIT: BROWNS FERRY 3
 PREPARED BY: J. W. Davenport
 TELEPHONE: (205) 729-2690

MONTH MARCH 1997

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	16	<u>765</u>
2	<u>0</u>	17	<u>915</u>
3	<u>0</u>	18	<u>869</u>
4	<u>0</u>	19	<u>824</u>
5	<u>0</u>	20	<u>1057</u>
6	<u>0</u>	21	<u>1081</u>
7	<u>0</u>	22	<u>1087</u>
8	<u>0</u>	23	<u>1044</u>
9	<u>0</u>	24	<u>1083</u>
10	<u>0</u>	25	<u>1085</u>
11	<u>0</u>	26	<u>1089</u>
12	<u>0</u>	27	<u>1089</u>
13	<u>176</u>	28	<u>1085</u>
14	<u>310</u>	29	<u>1085</u>
15	<u>455</u>	30	<u>1086</u>
		31	<u>1084</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: MARCH 1997

DOCKET NO: 50-259
UNIT: BROWNS FERRY 1
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

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

¹F-Forced
S-Scheduled

²A-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)

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

⁴Instructions for Preparation of Licensee
Event Reports (NUREG-1022)

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: MARCH 1997

DOCKET NO: 50-260
UNIT: BROWNS FERRY 2
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report No.	System Code ⁴	Component Code ⁴	Cause and Corrective Action to Prevent Recurrence
2	03/15/97	S	22	B	5	N/A	N/A	N/A	Power reduction for scheduled Control Rod Drive Exercise Test.

¹F-Forced
S-Scheduled

²A-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)

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

⁴Instructions for Preparation of Licensee
Event Reports (NUREG-1022)

UNIT SHUTDOWNS AND POWER REDUCTIONS
REPORT MONTH: MARCH 1997

DOCKET NO: 50-296
UNIT: BROWNS FERRY 3
PREPARED BY: J. W. Gavenport
TELEPHONE: (205) 729-2690

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	License Event Report No.	System Code ⁴	Component Code ⁴	Cause and Corrective Action to Prevent Recurrence
2	03/01/97	S	291.8	C	4	N/A	N/A	N/A	The Unit 3 Cycle 7 refueling outage that began at 0201 hours on February 22, 1997 continued until 0240 hours on March 13, 1997. The total length of the refueling outage was 19 days and 39 minutes.

¹F-Forced
S-Scheduled

²A-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)

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

⁴Instructions for Preparation of Licensee
Event Reports (NUREG-1022)

OPERATING DATA REPORT

DOCKET: 50-259
UNIT: BROWNS FERRY 1
PREPARED BY: J. W. Davenport
TELEPHONE: (205) 729-2690

OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT 1
2. Reporting Period: MARCH 1997
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: J. W. Davenport
TELEPHONE: (205) 729-2690

OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT 2
2. Reporting Period: MARCH 1997
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	744.0	2160.0	141775
12. Hours Reactor Was Critical	744.0	2160.0	100809
13. Reactor Reserve Shutdown Hours	0.0	0.0	14200
14. Hours Generator On Line	744.0	2160.0	98443
15. Unit Reserve Shutdown Hours	0.0	0.0	0
16. Gross Thermal Generation (MWh)	2422896.0	6759960	290947060
17. Gross Electrical Generation (MWh)	815730.0	2272620	96693988
18. Net Electrical Generation (MWh)	797573.0	2219603	94052768
19. Unit Service Factor	100.0	100.0	69.4
20. Unit Availability Factor	100.0	100.0	69.4
21. Unit Capacity Factor (MDC Net)	100.7	96.5	62.3
22. Unit Capacity Factor (DER net)	100.7	96.5	62.3
23. Unit Forced Outage Rate	0.0	0.0	14.7

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): Unit 2 Cycle 9 Refueling Outage Scheduled to begin on September 21, 1997, 23.8 days duration

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: J. W. Davenport
TELEPHONE: (205) 729-2690

OPERATING STATUS

1. Unit Name: BROWNS FERRY UNIT 3
2. Reporting Period: MARCH 1997
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	744.0	2160.0	84997
12. Hours Reactor Was Critical	470.0	1720.0	56474
13. Reactor Reserve Shutdown Hours	0.0	0.0	5150
14. Hours Generator On Line	452.2	1702.2	55121
15. Unit Reserve Shutdown Hours	0.0	0.0	0
16. Gross Thermal Generation (MWh)	1279104.0	4723296	165953953
17. Gross Electrical Generation (MWh)	425100.0	1552590	55576730
18. Net Electrical Generation (MWh)	412502.0	1508215	53190346
19. Unit Service Factor	60.8	78.8	64.9
20. Unit Availability Factor	60.8	78.8	64.9
21. Unit Capacity Factor (MDC Net)	52.1	65.6	58.8
22. Unit Capacity Factor (DER net)	52.1	65.6	58.8
23. Unit Forced Outage Rate	0.0	0.0	18.3
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:	N/A		

* Excludes hours under administrative hold
(June 1, 1985 to November 19, 1995)