



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

FEB 12 1991

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

Gentlemen:

In the Matter of
Tennessee Valley Authority

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)

Document Nos. 50-259
50-260
50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - MONTHLY OPERATING REPORT FOR THE MONTH
OF FEBRUARY 1991

In accordance with the requirements of the BFN Technical Specifications
(TS) section 6.9.1.3, the Monthly Operating Report for the month of
February 1991 is enclosed.

If you have any questions, please telephone me at (205) 729-3570.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

Patrick P. Carrier, Manager
of Site Licensing

cc: See page 2

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PDR ADOCK 05000259
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U.S. Nuclear Regulatory Commission

MAR 12 1991

Enclosures

cc (Enclosures):

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NRC Resident Inspector
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MONTHLY OPERATING REPORT

BROWNS FERRY NUCLEAR PLANT

TENNESSEE VALLEY AUTHORITY

FEBRUARY 1991

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

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

FEBRUARY 1991

UNIT 1

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

UNIT 2

Unit remains on administrative hold to resolve various TVA and NRC concerns. Modification, operation, and maintenance work continues to support restart. Fuel loading activities began on February 21, 1991 and continue into March.

UNIT 3

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

AVERAGE DAILY UNIT POWER LEV

DOCKET NO. 50-259

Unit One

PREPARED BY J. A. Ratliff

TELEPHONE (205) 729-2937

MONTH FEBRUARY 1991

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>		
14	<u>0</u>		
15	<u>0</u>		
16	<u>0</u>		

0449k/6

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260

Unit Two

PREPARED BY S. A. Ratliff

TELEPHONE (205) 729-2937

MONTH FEBRUARY 1991

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>		
14	<u>0</u>		
15	<u>0</u>		
16	<u>0</u>		

0449k/7

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296UNIT ThreePREPARED BY S. A. RetliffTELEPHONE (205) 722 2937MONTH FEBRUARY 1991

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>		
14	<u>0</u>		
15	<u>0</u>		
16	<u>0</u>		

0449k/8

OPERATING DATA REPORT

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

OPERATING STATUS

1. Unit Name: Browns Ferry Unit One
2. Reporting Period: February 1991
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	672	1416	145400
12. Number of 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 Energy Generated (MMH)	0	0	168066787
17. Gross Electrical Energy Generated (MMH)	0	0	55398130
18. Net Electrical Energy Generated (MMH)	-1745	-4182	53557288
19. Unit Service Factor	0	0	40.1
20. Unit Availability Factor	0	0	40.1
21. Unit Capacity Factor (Using MOC Net)	0	0	34.6
22. Unit Capacity Factor (Using DER Net)	0	0	34.6
23. Unit Forced Outage Rate	100	100	54.0
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

OPERATING DATA REPORT

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

OPERATING STATUS

	Notes
1. Unit Name: <u>Browns Ferry Unit Two</u>	
2. Reporting Period: <u>February 1991</u>	
3. Licensed Thermal Power (MWt): <u>3293</u>	
4. Nameplate Rating (Gross MWe): <u>1152</u>	
5. Design Electrical Rating (Net MWe): <u>1065</u>	
6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u>	
7. Maximum Dependable Capacity (Net MWe): <u>1065</u>	
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: <u>N/A</u>	

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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>672</u>	<u>1416</u>	<u>140287</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>55860</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>14270</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>54338</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MMWh)	<u>0</u>	<u>0</u>	<u>153245167</u>
17. Gross Electrical Energy Generated (MMWh)	<u>0</u>	<u>0</u>	<u>50771798</u>
18. Net Electrical Energy Generated (MMWh)	<u>-4561</u>	<u>-9640</u>	<u>49041481</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>38.7</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>38.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>32.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>32.8</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>54.2</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: <u>April 1991</u>
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OPERATING DATA REPORT

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

OPERATING STATUS

- | | Notes |
|---|-------|
| 1. Unit Name: <u>Browns Ferry Unit Three</u> | |
| 2. Reporting Period: <u>February 1991</u> | |
| 3. Licensed Thermal Power (MWT): <u>3293</u> | |
| 4. Nameplate Rating (Gross MWe): <u>1152</u> | |
| 5. Design Electrical Rating (Net MWe): <u>1065</u> | |
| 6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u> | |
| 7. Maximum Dependable Capacity (Net MWe): <u>1065</u> | |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
<u>N/A</u> | |

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

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	672	1416	122712
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)	-1565	-2353	41969183
19. Unit Service Factor	0	0	36.0
20. Unit Availability Factor	0	7	36.0
21. Unit Capacity Factor (Using MDC Net)	0	0	32.1
22. Unit Capacity Factor (Using DER Net)	0	0	32.1
23. Unit Forced Outage Rate	100	100	58.3
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

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| 25. If Shut Down At End Of Report Period, Estimated Date of Startup: <u>To be determined</u> |
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REPORT MONTH: February 1991

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

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
315	06/01/85	F	672	F	4				Administrative hold to resolve various TVA and NRC concerns.

⁵Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: February 1991DOCKET NO: 52-260UNIT NAME: TwoCOMPLETED BY: S. A. RatliffTELEPHONE: (205) 729-2937

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
305	09/15/84	F	672	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
S: Scheduled

²Reason:
 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)

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

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

⁵Exhibit I-Same Source

REPORT MONTH: February 1991

COMPLETED BY: S. A. Ratliff

¹F: Forced
S: Scheduled

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

⁵Exhibit I-Same Source