



Tennessee Valley Authority, P.O. Office Box 2000, Decatur, Alabama 35609

February 13, 1991

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 JANUARY 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 January 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

February 13, 1991

Enclosures

cc (Enclosures):

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MONTHLY OPERATING REPORT

BROWNS FERRY NUCLEAR PLANT

TENNESSEE VALLEY AUTHORITY

JANUARY 1991

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

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

OPERATIONAL SUMMARY
JANUARY 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.

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 JANUARY 1991

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		

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH JANUARY 1991

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		

0449k/7

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296

UNIT Three

PREPARED BY S. A. Ratliff

TELEPHONE (205) 729-2937

MONTH JANUARY 1991

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		

0449k/8

OPERATING DATA REPORT

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

OPERATING STATUS

- | | !Notes | ! |
|---|--------|---|
| 1. Unit Name: <u>Browns Ferry Unit One</u> | ! | ! |
| 2. Reporting Period: <u>January 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): 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>744</u>	<u>144728</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>-2437</u>	<u>-2437</u>	<u>53559033</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>40.3</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>40.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>34.7</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>34.7</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>53.8</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down A. 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>January 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>744</u>	<u>744</u>	<u>139615</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>57860</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>14200</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 (MMH)	<u>0</u>	<u>0</u>	<u>153245167</u>
17. Gross Electrical Energy Generated (MMH)	<u>0</u>	<u>0</u>	<u>50771798</u>
18. Net Electrical Energy Generated (MMH)	<u>-5079</u>	<u>-5079</u>	<u>49046042</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>38.9</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>38.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>33.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>33.0</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>54.4</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: April 1991

OPERATING DATA REPORT

DOCKET 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>January 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	744	744	122040
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 (MMH)	0	0	131868267
17. Gross Electrical Energy Generated (MMH)	0	0	43473760
18. Net Electrical Energy Generated (MMH)	-1788	-1788	41970748
19. Unit Service Factor	0	0	36.2
20. Unit Availability Factor	0	0	36.2
21. Unit Capacity Factor (Using MDC Net)	0	0	32.3
22. Unit Capacity Factor (Using DER Net)	0	0	32.3
23. Unit Forced Outage Rate	100	100	58.0
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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-260

UNIT NAME: Two

COMPLETED BY: S. A. Ratliff

REPORT MONTH: January 1991

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
305	09/15/84	F	744	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

UNIT SHUTDOWN AND POWER REDUCTIONS

REPORT MONTH: January 1991DOCKET NO: 50-296UNIT NAME: ThreeCOMPLETED 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
157	03/03/85	F	744	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